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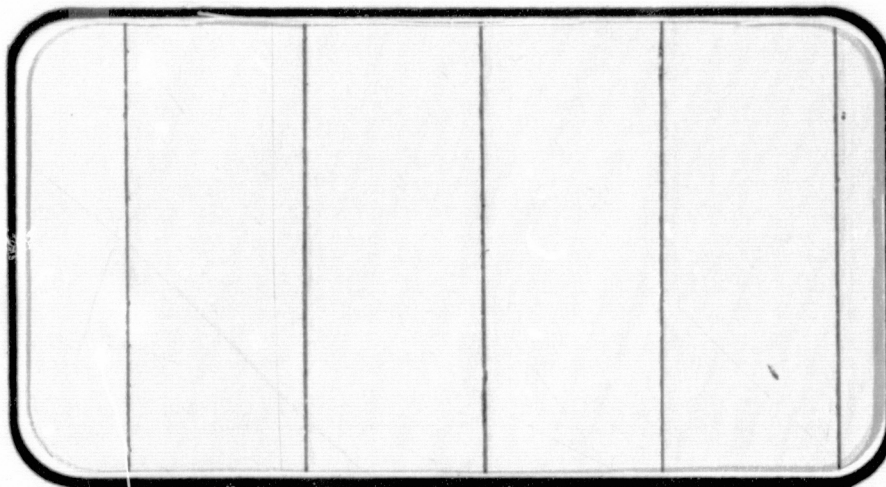
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National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
Houston, Texas 77058



(NASA-CR-151370) RESULTS OF A LANDING GEAR
LOADS TEST USING A 0.0405-SCALE MODEL (16-0)
OF THE SPACE SHUTTLE ORBITER IN THE ROCKWELL
INTERNATIONAL NAAL WIND TUNNEL (OA163B),
VOLUME 1 (Chrysler Corp.) 756 p

N77-33253

HL A99/MF A01

Unclas

G3/16 50264

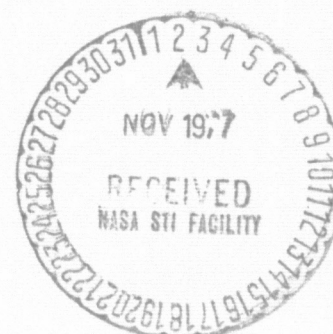
SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

Data Management SERVICES

SPACE DIVISION



CHRYSLER
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July 1977

DMS-DR-2361
NASA CR-151,370
VOLUME 1 OF 2

RESULTS OF A LANDING GEAR LOADS TEST
USING A 0.0405-SCALE MODEL (16-0) OF THE
SPACE SHUTTLE ORBITER IN THE ROCKWELL
INTERNATIONAL NAAL WIND TUNNEL (OA163B)

by

R. C. Mennell
Shuttle Aero Sciences
Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Michoud Defense-Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: NAAL 768
NASA Series Number: OA163B
Model Number: 16-0
Test Dates: December 21 through December 23, 1976
Occupancy Hours: 35

FACILITY COORDINATOR:

R. B. Russell
Mail Code BDO2
Rockwell International
B-1 Division
International Airport
Los Angeles, CA 90009

Phone: (213) 670-3343

AERODYNAMICS ANALYSIS ENGINEER:

P. K. Miller
Mail Code AC07
Rockwell International
Space Division
12214 Lakewood Boulevard
Downey, CA 90241

Phone: (213) 922-4955

PROJECT ENGINEER:

R. C. Mennell
Mail Code BDO2
Rockwell International
B-1 Division
International Airport
Los Angeles, CA 90009

Phone: (213) 670-3343

DATA MANAGEMENT SERVICES:

Prepared by: Liaison--D. W. Hersey
Operations--G. W. Klug

Approved: J. L. Glynn
J. L. Glynn, Manager
Data Operations

Concurrence: N. D. Kemp
N. D. Kemp, Manager
Data Management Services

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RESULTS OF A LANDING GEAR LOADS TEST
USING A 0.0405-SCALE MODEL (16-0) OF THE
SPACE SHUTTLE ORBITER IN THE ROCKWELL
INTERNATIONAL NAAL WIND TUNNEL (OA163B)

by

R. C. Mennell, Rockwell

ABSTRACT

Experimental aerodynamic investigations were conducted on a sting mounted 0.045-scale representation of the 1400 outer mold line space shuttle orbiter configuration in the Rockwell International 7.75 x 11.00 foot low speed wind tunnel during the time period from December 21, 1976, to December 23, 1976. NASA designation for this test period was OA163B. Facility designation was NAAL 768.

The primary test objective was to verify orbiter landing gear system pressure loading and hinge moment levels obtained during the test period OA163.

Secondary objectives included recording pressure, force, and hinge moment data over smaller increments of the landing gear deployment schedule to insure data accuracy as well as investigating the effects of asymmetric gear deployment on all recorded parameters.

Testing was conducted at a Mach number of 0.17, a freestream dynamic pressure of 42.5 psf, and a Reynolds number per unit length of 1.2×10^6 /foot. Angle of attack variation was -2 to 10 degrees while angles of sideslip varied from -5 to 5 degrees.

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PLOTTED COEFFICIENTS SCHEDULE:

- A) $C_L, C_N, C_{A_f}, C_{D_f}, C_{A_b}, C_m, C_y, C_l(\text{BODY}), C_n(\text{BODY})$ versus α
- B) $C_{HNS}, C_{HND}, C_{HMS}, C_{HMD}$ versus α

NOMENCLATURE

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
A_b		base area, ft ²
A_{BC}		balance cavity area, ft ²
b	BREF	span, inches
b_{ML}	BML	main gear door span, inches
b_{NL}	BNL	nose gear door span, inches
c		chord, inches
$\bar{c}$	LREF	wing mean aerodynamic chord, inches
C_A	CA	axial force coefficient
C_{A_b}	CAB	base axial force coefficient
C_{A_f}	CAF	forebody axial force coefficient
C_D	CD	drag coefficient
C_{D_b}	CDB	base drag coefficient
C_{D_f}	CDF	forebody drag coefficient
C_h	CH	hinge moment coefficient
$C_{h_{ei}}$	CHEI	inboard elevon hinge moment coefficient
$C_{h_{eo}}$	CHEO	outboard elevon hinge moment coefficient
$C_{h_{MD}}$	CHMMD	main gear door hinge moment coefficient
$C_{h_{MS}}$	CHMMS	main gear strut hinge moment coefficient
$C_{h_{ND}}$	CHMND	nose gear door hinge moment coefficient
$C_{h_{NS}}$	CHMNS	nose gear strut hinge moment coefficient
$C_L(\text{Body})$	CL	lift coefficient
C_l	CBL	body axis rolling moment coefficient

NOMENCLATURE (Continued)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
C_m	CIM	pitching moment coefficient
C_{ML}	CML	main gear door chord, inches
C_N	CN	normal force coefficient
C_{NL}	CNL	nose gear door chord, inches
C_n (Body)	CYN	yawing moment coefficient
C_{Pi}	CPi	pressure coefficient at station i
C_y	CY	side force coefficient
C.G.		center of gravity
DUMMY1	DUMMY1	artificial geometric X variable
DUMMY2	DUMMY2	artificial geometric Y variable
HM		hinge moment, in-lb
HM_{MD}		main door hinge moment, in-lb
HM_{MS}		main strut hinge moment, in-lb
HM_{ND}		nose door hinge moment, in-lb
HM_{NS}		nose strut hinge moment, in-lb
l_B	L	reference fuselage length, inches
L.H.		left hand
M_∞	MACH	freestream MACH number
MAC		mean aerodynamic chord, inches
MLG		main landing gear
MRP		moment reference point
NAAL		North American Aerodynamics Laboratory
	XCP/L	center of pressure location

NOMENCLATURE (Continued)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
NLG		nose landing gear door
OMS		orbiter maneuvering system
P		pressure, psia
P _i	Pi	pressure at station i, psia
P _{Bi}	PBi	base pressure at station i, i = 1, 2, 3, 4, 5, 6, 7, 8, psia
P _{Bc}	PBC	balance cavity pressure, psia
P _o	PO	freestream total pressure, psfa
q _∞	Q(PSF)	freestream dynamic pressure, psfa
RCS		reaction control system
R.H.		right hand
S	SREF	reference area, ft ²
X	X	longitudinal coordinate, inches
X _{MRP}	XMRP	longitudinal location of MRP, inches
X _o	XO	orbiter longitudinal station, inches
X/CML	X/CML	main landing gear door nondimensionalized axial coordinate
X/CNL	X/CNL	nose landing gear door nondimensionalized axial coordinate
Y	Y	lateral coordinate, inches
Y _{MRP}	YMRP	lateral location of MRP, inches
Y _o	YO	orbiter lateral station, inches
Y/BML	Y/BML	main landing gear door nondimensionalized lateral coordinate
Y/bNL	Y/BNL	nose gear door span nondimensionalized lateral coordinate

NOMENCLATURE (Concluded)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
Y/CNL	Y/CNL	nose landing gear door nondimensionalized lateral coordinate
Z	Z	vertical coordinate, inches
Z _{MRP}	ZMRP	vertical location of MRP, inches
Z _O	ZO	orbiter vertical station, inches
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
δ_a	AILRON	aileron deflection angle, degrees
δ_{BF}	BDFLAP	bodyflap deflection angle, degrees
δ_e	ELEVON	elevon deflection angle, degrees
δ_{eL}	ELV-L	left elevon deflection angle, degrees
δ_{eR}	ELV-R	right elevon deflection angle, degrees
δ_R	RUDDER	rudder deflection angle, degrees
δ_{SB}	SPDBRK	speedbrake deflection angle, degrees
θ_{ML}	THEIML	left main gear strut position angle, degrees
θ_{MR}	THEIMR	right main gear strut position angle, degrees
θ_N	THETAN	nose gear strut position angle, degrees
ϕ_{ML}	PHI-ML	left main gear door position angle, degrees
ϕ_{MR}	PHI-MR	right main gear door position angle, degrees
ϕ_N	PHI-N	nose gear door position angle, degrees
H		hingeline

CONFIGURATIONS INVESTIGATED

The model provided for test period OA163 was a .0405-scale representation of the 140C space shuttle orbiter outer mold line configuration. The basic model was of the blended wing-body design utilizing a double delta wing ($75^\circ/45^\circ$ $\Delta_{L.E.}$), full span, dual panel elevons (unswept hinge-line and 6" gaps), a centerline vertical tail with rudder and/or speed brake deflection capability, a canopy, a body flap, and an orbital maneuvering system (OMS pods) mounted on the aft fuselage sidewalls adjacent to the vertical tail. Landing gear simulation consisted of both nose and main landing gear systems each with the deployment capability from full up to full down.

Both the nose and main landing gear systems were instrumented with static pressure measuring orifices and hinge moment beams as illustrated in Figures 2c through 2f.

For this test period the following nomenclature was used to designate various model components:

<u>Component</u>	<u>Description</u>
B ₆₈	140C orbiter fuselage with air vent door and vent door probe simulation
C ₁₂	140C orbiter canopy
E ₅₅	140C orbiter dual panel elevons
F ₁₀	140C orbiter body flap
G ₂₀	140C orbiter nose and main landing gear system simulation
M ₁₆	140C orbiter OMS/RCS pods

CONFIGURATIONS INVESTIGATED (Concluded)

<u>Component</u>	<u>Description</u>
N ₂₈	140C orbiter QMS nozzles
W ₁₂₇	140C orbiter double delta wing
R ₅	140C orbiter rudder
V ₈	140C orbiter centerline vertical tail
X ₉	transition grit

The model configuration is designated in Table II as:

Orbiter = B₆₈ C₁₂ E₅₅ F₁₀ M₁₆ N₂₈ R₅ V₈ W₁₂₇ X₉

TEST FACILITY DESCRIPTION

North American Aerodynamics Laboratory (NAAL) 7.75 x 11-foot wind tunnel is a continuous flow, closed circuit, single return tunnel capable of speeds up to 200 miles per hour.

The test section is vented to atmospheric pressure and is 7.75 x 11 feet wide and 12 feet long. Power is supplied by a 1250-horsepower nacelle-mounted synchronous motor driving a 19-foot, seven-blade, laminated birch propeller. Airspeed is controlled by using a magnetic clutch to vary the degree of coupling between the motor and propeller. Turbulence is minimized by a damping screen and a honeycomb section in the settling chamber upstream from the contraction cone (ratio 7.53 to 1).

Tests may be conducted using a variety of mounting systems: single strut, double strut, sting strut, reflection plane, cable suspension, or two-dimensional wall. Aerodynamic data may be measured by a planar type external balance system or sting-mounted internal balances. An Astrodata Automatic Data Acquisition System collects, multiplexes, digitizes, and records on magnetic tape 50 channels of force or pressure data or both. Data are then reduced and plotted using automatic data processing equipment and an automatic digital plotter.

The NAAL wind tunnel has been operating since June 1943. Calibrations are available over a wide range of test conditions.

DATA REDUCTION

The aerodynamic force data presented in this report were measured by the Task Corporation 2.5 inch MK IX six-component strain gage balance. All steady state static pressures were measured by ± 2.5 psid Statham differential pressure transducers installed in a four-pack model mounted scanivalve referenced to tunnel static pressure. Landing gear strut and door hinge moment loads were measured from single beam, bearing mounted strain gages.

Corrections applied to the aforementioned data were test section wall effects on model aerodynamic coefficients, model tunnel blockage effects on test section dynamic pressure, and model base pressure drag effects on model angle of attack and angle of sideslip.

Nose and main landing gear door static pressure tap locations are presented non-dimensionalized by landing gear door total chord or span. The coordinate systems used have origins at the forward outer corner of each respective door. Tap locations about the door perimeters and left main landing gear are presented by tap number only.

The following reference dimensions and constants were used in data reduction:

<u>Symbol</u>		<u>Model Scale</u>	<u>Full Scale</u>
A_b	area of model base, (not including A_{BC}), ft^2	0.5885	
A_{BC}	area of balance cavity, ft^2	0.0985	
b	wing span, in.	37.9356	936.68

DATA REDUCTION (Concluded)

<u>Symbol</u>		<u>Model Scale</u>	<u>Full Scale</u>
b_{ML}	left main landing gear door reference span, in.	2.794	68.99
b_{NL}	left nose landing gear door reference span, in.	1.154	28.49
$\bar{c}$	wing MAC, in.	19.2307	474.81
c_{ML}	left main landing gear door reference chord, in.	6.116	151.01
c_{NL}	left nose landing gear door reference chord, in.	4.393	108.47
S	wing area, ft^2	4.4123	2690.00
X_{MRP}	reference C.G., fus. sta.	43.6055	1076.68
Z_{MRP}	reference C.G. waterplane	15.1875	375.00
B	orbiter body length, in.	52.2572	1290.30

REFERENCES

1. AD75-SH-0238, "Pretest Information For A Landing Gear Loads Test (OA163) Of The 0.0405-Scale Model Of The Space Shuttle Orbiter In The Rockwell International NAAL Wind Tunnel (Model 16-0)," November 10, 1975.
2. DMS-DR-2289, NASA CR-147,611, "Results Of A Landing Gear Loads Test Using A 0.0405-Scale Model (16-0) Of The Space Shuttle Orbiter In The Rockwell International NAAL Wind Tunnel (OA163)," by R. Mennell, November, 1976.



TEST: OA163B	DATE: POST TEST
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[illegible]

* See next page for definition of Data Set Identifier notation.

TABLE II. DATA SET/RUN NUMBER COLLATION SUMMARY (Concluded)

<u>4th Character</u>	<u>Type of Data</u>
	<u>Force Data</u>
F	Aerodynamic force coefficients
H	Left nose and main landing gear door and strut hinge moment coefficients
	<u>Pressure Data</u>
N	Left nose landing gear door outer surface static pressure coefficients
E	Left nose landing gear door inner surface static pressure coefficients
M	Left main landing gear door outer surface static pressure coefficients
F	Left main landing gear door inner surface static pressure coefficients
P	Left nose and main landing gear door perimeter static pressure coefficients
W	Left main landing gear strut static pressure coefficients

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY - B₆₈

GENERAL DESCRIPTION: Configuration 140C orbiter fuselage. Similar to 140A/B fuselage except aft body revised and midbody-wing glove area modified. B₆₈ has the addition of air vent doors and air vent door probes.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140C, -000202C, -000205A, -000200B, -000203

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (IML: Nose @ $X_0 = 238$), In.	1290.30	52.257
Length (OML: Nose @ $X_0 = 235$), In.	1293.30	52.379
Max Width (@ $X_0 = 1528.3$), In.	264.0	10.692
Max Depth (@ $X_0 = 1464$), In.	250.00	10.125
Fineness Ratio	4.899	4.899
Area - Ft ²		
Max. Cross-Sectional	340.89	0.559

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: CANOPY - C₁₂

GENERAL DESCRIPTION: Configuration 140C orbiter canopy, vehicle cabin

No. 31 updated to MCR 200-R4. Used with fuselage B₆₂.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140C, -000202B, -000204

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 434.643$ to 578), In.	143.357	5.806
Max Width (@ $X_0 = 513.127$), In.	152.412	6.173
Max Depth ($Z_0 = 501$ to 449.39), In.	51.61	2.090

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELEVON - E55

GENERAL DESCRIPTION: Configuration 140C dual panel elevon. Elevon hinge-line at $X_0 = 1387$. Elevon split line at $Y_0 = 281$ to 312.5 . Upper wing/elevon gap sealed by flipper doors.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140C, -006089, -000200B, -006092

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area, Ft^2	210.00	0.344
Span (equivalent), In.	349.20	14.143
Inb'd equivalent chord, In.	118.00	4.779
Outb'd equivalent chord, In.	55.19	2.235
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.210	0.210
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Trailing Edge	- 10.056	- 10.056
Hingeline	0.0	0.0
Area Moment (Product of Area & $\bar{c}$), Ft^3	1587.25	0.1054
Mean Aerodynamic Chord, In.	90.70	3.673

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY FLAP - F_{10}

GENERAL DESCRIPTION: Configuration 140C body flap. Hingeline located at $X_0 = 1532$, $Z_0 = 287$.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140C, -355114

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 1525$ to $X_0 = 1613$), In.	87.50	3.544
Max Width (@ L.E., $X_0 = 1525.5$), In.	256.00	10.368
Max Depth ($X_0 = 1532$), In.	19.798	0.802
Area		
Max. Cross-Sectional (@ H.L.)	35.196	0.058
Planform	135.00	0.221
Wetted		
Base ($X_0 = 1613$)	4.89	0.008

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LANDING GEAR - G20

GENERAL DESCRIPTION: G17 modified to conform to updated drawings
V070-510001 and V070-510501, including web-simulation.

MODEL SCALE: 0.0405

DRAWING NUMBER: V070-510001, V070-510501

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
<u>NOSE LANDING GEAR</u>		
STRUT		
Number	1	1
Diameter, in.	6.420	0.260
Length in.		
Exposed	63.704	2.580
Pivot Point to Wheel Axis	76.543	3.100
Pivot Point Location, In.		
X ₀	375.506	15.208
Z ₀	298.000	12.069
WHEELS		
Number	2	2
Diameter, in.	32.099	1.300
Width, in.	9.877	0.400
Axis Location, in.		
X ₀	370.167	14.992
Y ₀	0.0	0.0
Z ₀	221.643	8.977
DOORS		
Side		
Number	2	2
Length, in.	108.47	4.393
Height, in.	20.543	0.832
Area, Ft ²	--	--
Hingeline Location		
X ₀	--	--
Y ₀	± 28.494	± 1.154
Z ₀	301.836	12.224
End		
Number	NONE	NONE

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LANDING GEAR - G₂₀ (Continued)

GENERAL DESCRIPTION: G₁₇ modified to conform to updated drawings

V070-510001 and V070-510501, including web-simulation.

MODEL SCALE: 0.0405

DRAWING NUMBER: V070-510001, V070-510501

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
STRUT		
Number	2	2
Diameter, in.	9.383	0.380
Length, in.		
Exposed	87.901	3.560
Pivot Point to Wheel Axis	107.901	4.370
Pivot Point Location, in.		
X ₀	1180.0	47.790
Z ₀	283.012	11.462
WHEELS		
Number	4	4
Diameter, in.	49.383	2.000
Width, in.	17.778	0.720
Axis location, in.		
X ₀	1172.473	47.485
Y ₀	± 136.000	± 5.508
Z ₀	175.372	7.103
DOORS		
Side		
Number	2	2
Length, in.	151.012	6.116
Height, in.	62.469	2.530
Area, Ft ²		
Hingeline Location		
X ₀		
Y ₀	± 174.000	± 7.047
Z ₀	282.148	11.427
END		
Number	NONE	NONE

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS POD - M₁₆

GENERAL DESCRIPTION: Configuration 140C orbiter OMS pod - short pod.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-008401, -008410

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OMS Fwd. sta. X ₀ = 1310.5), in.	258.50	10.469
Max Width (@ X ₀ = 1511), in.	136.8	5.540
Max Depth (@ X ₀ = 1511), in.	74.70	3.025
Area, Ft ²		
Max. Cross-Sectional	58.864	0.0966

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS NOZZLES - N₂₈

GENERAL DESCRIPTION: Configuration 140C - orbiter OMS nozzles.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140A (Location), SS-A00106, Release 5 (Contour)

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Gimbal Point (Station), in.		
Left Nozzles		
X ₀	1518.00	61.479
Y ₀	- 88.0	- 3.564
Z ₀	492.0	19.926
Right Nozzles		
X ₀	1518.00	61.479
Y ₀	88.00	3.564
Z ₀	492.00	19.926
Null Position - Deg.		
Left Nozzles		
Pitch	15°49'	15°49'
Yaw	12°17'	12°17'
Right Nozzles		
Pitch	15°49'	15°49'
Yaw	12°17'	12°17'

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to configuration 140A/B rudder).

MODEL SCALE: 0.405

DRAWING NUMBER: VL70-000146B, -000095

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area, Ft ²	100.15	0.1643
Span (equivalent), In.	201.00	8.141
Inb'd equivalent chord, In.	91.585	3.709
Outb'd equivalent chord, In.	50.833	2.059
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.83	34.83
Trailing Edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment(Product of Area & $\bar{c}$), Ft ³	610.92	0.0426
Mean Aerodynamic Chord, In.	73.2	2.965

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V8

GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail (identical to configuration 140A/B vertical tail).

MODEL SCALE: 0.0405.

DRAWING NUMBER: VL70-000140C, 70-000146B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo.), ft ² Planform	413.253	0.678
Span (Theo.), in.	315.72	12.787
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep Back Angles, degrees		
Leading Edge	45.00	45.00
Trailing Edge	26.25	26.25
0.25 Element Line	41.13	41.13
Chords:		
Root (Theo.) WP	268.50	10.874
Tip (Theo.) WP	108.47	4.393
MAC	199.81	8.092
X ₀ of .25 MAC	1463.35	59.266
Z ₀ of .25 MAC	635.52	25.739
Y ₀ of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle, deg.	10.00	10.00
Trailing Wedge Angle, deg.	14.92	14.92
Leading Edge Radius	2.00	0.0810
Void Area	13.17	0.022
Blanketed Area	0.0	0.0

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: WING - W127		
GENERAL DESCRIPTION: Configuration 140C orbiter wing, MCR 200-R4, similar to 140A/B wing W116 but with refinements: Improved wing-boot-mid-body fairing ($X_0 = 94.0$ to $X_0 = 104.0$); elevon split line relocated from $Y_0 = 281$ to $Y_0 = 312.5$. MODEL SCALE: 0.0405 DWG.NO.: VL70-000140C, -200B		
DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
<u>TOTAL DATA</u>		
Area (Theo.), ft^2		
Planform	2690.00	4.412
Span (Theo.), in.	936.68	37.936
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees		
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo.) B.P.O.O.	689.24	27.914
Tip, (Theo.) B.P.	137.85	5.583
MAC	474.81	19.230
X_0 of .25 MAC	1136.83	46.042
Z_0 of .25 MAC	290.58	11.769
Y_0 of .25 MAC	182.13	7.736
<u>EXPOSED DATA</u>		
Area (Theo.), ft^2	1751.50	2.873
Span, (Theo.), in. BP108	720.68	29.188
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.09	22.765
Tip 1.00 b/2	137.85	5.583
MAC	392.83	15.910
X_0 of .25 MAC	1185.98	48.032
Z_0 of .25 MAC	294.30	11.919
Y_0 of .25 MAC	251.77	10.197
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root b/2 =	0.113	0.113
Tip b/2 =	0.120	0.120
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area, ft^2	113.18	0.146
Leading Edge Intersects Fus M.L. @ Sta	500.00	20.250
Leading Edge Intersects Wing @ Sta	1024.00	41.472

TABLE III. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: TRANSITION GRIT - X₉

GENERAL DESCRIPTION: Grit located on model nose and all swept surfaces to provide forced boundary layer transition.

NOMINAL GRIT DIAMETER - IN.

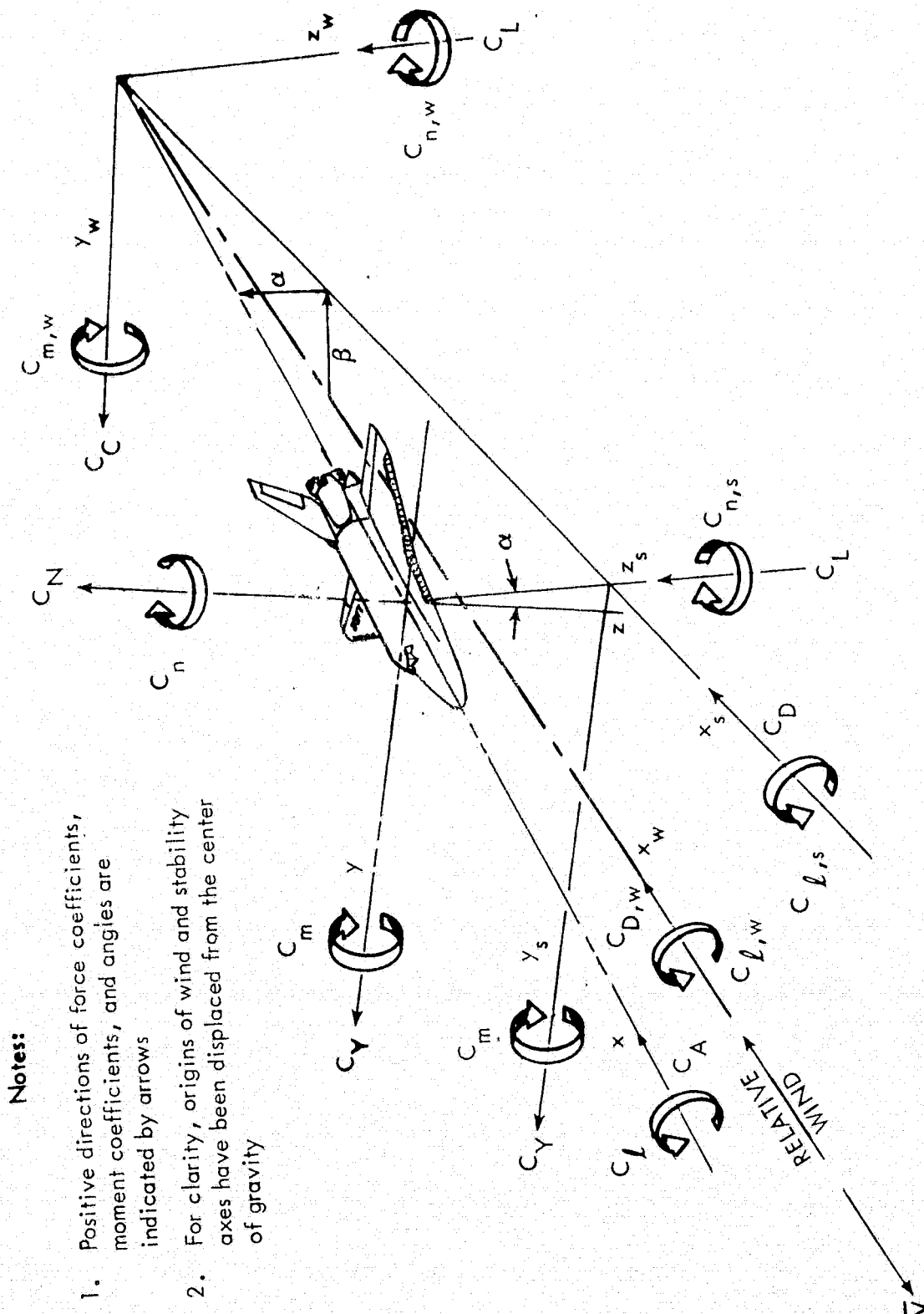
Fuselage	0.0054
----------	--------

All surfaces except fuselage	0.0076
------------------------------	--------

STRIP THICKNESS - IN.	0.10
-----------------------	------

LOCATION:

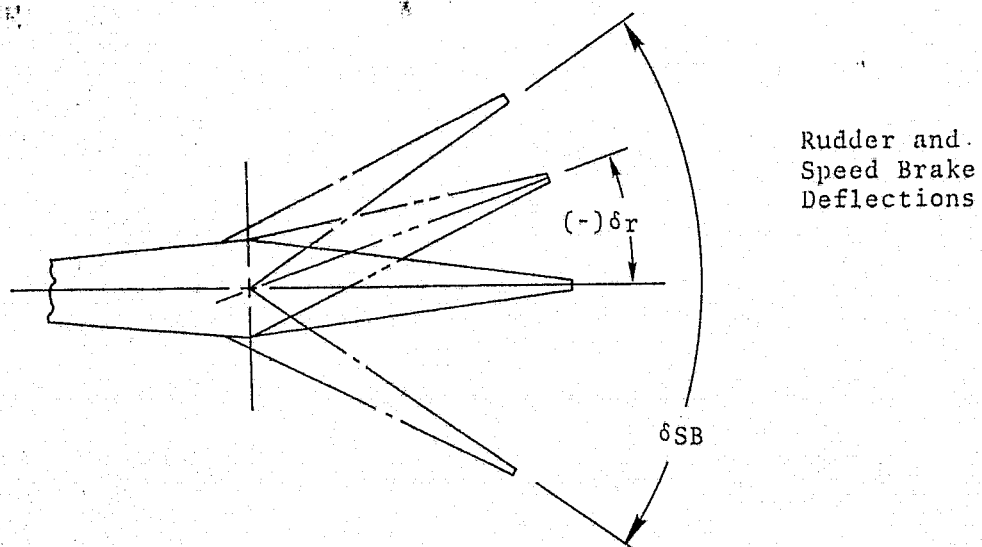
Inches aft of local leading edge (streamwise)	1.00
--	------



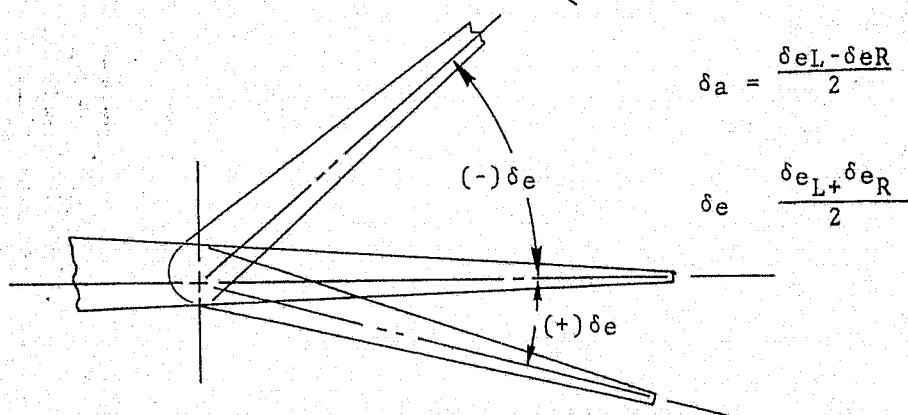
Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

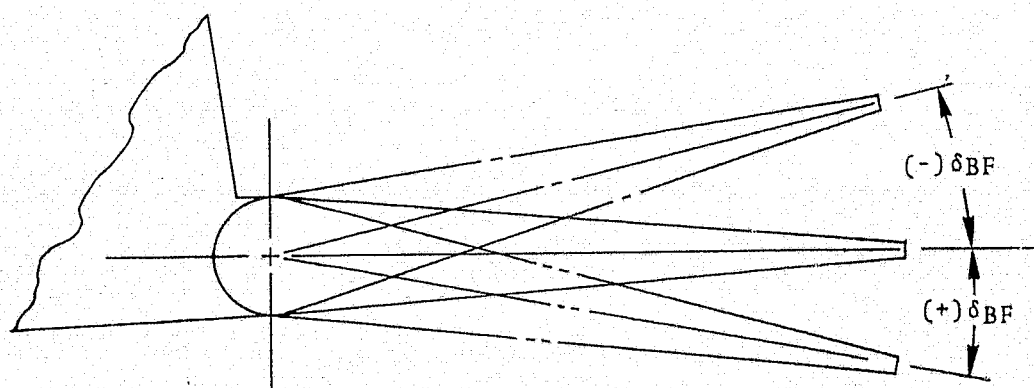
a. Total Vehicle Axis Systems
Figure 1. Axis systems and sign conventions



Rudder and
Speed Brake
Deflections



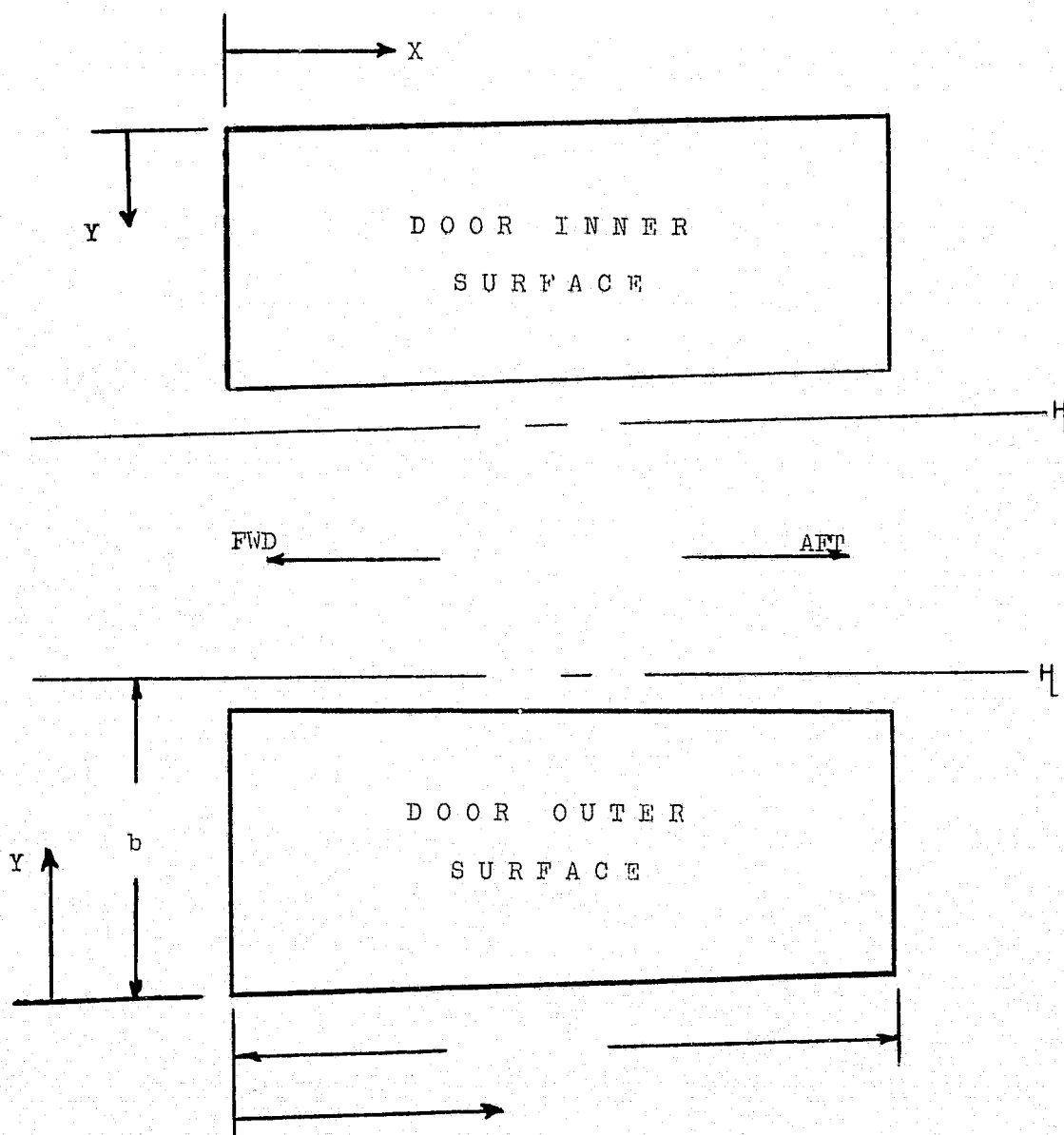
Aileron & Elevon Deflections



Body Flap Deflections

b. Sign Convention for Control Surfaces

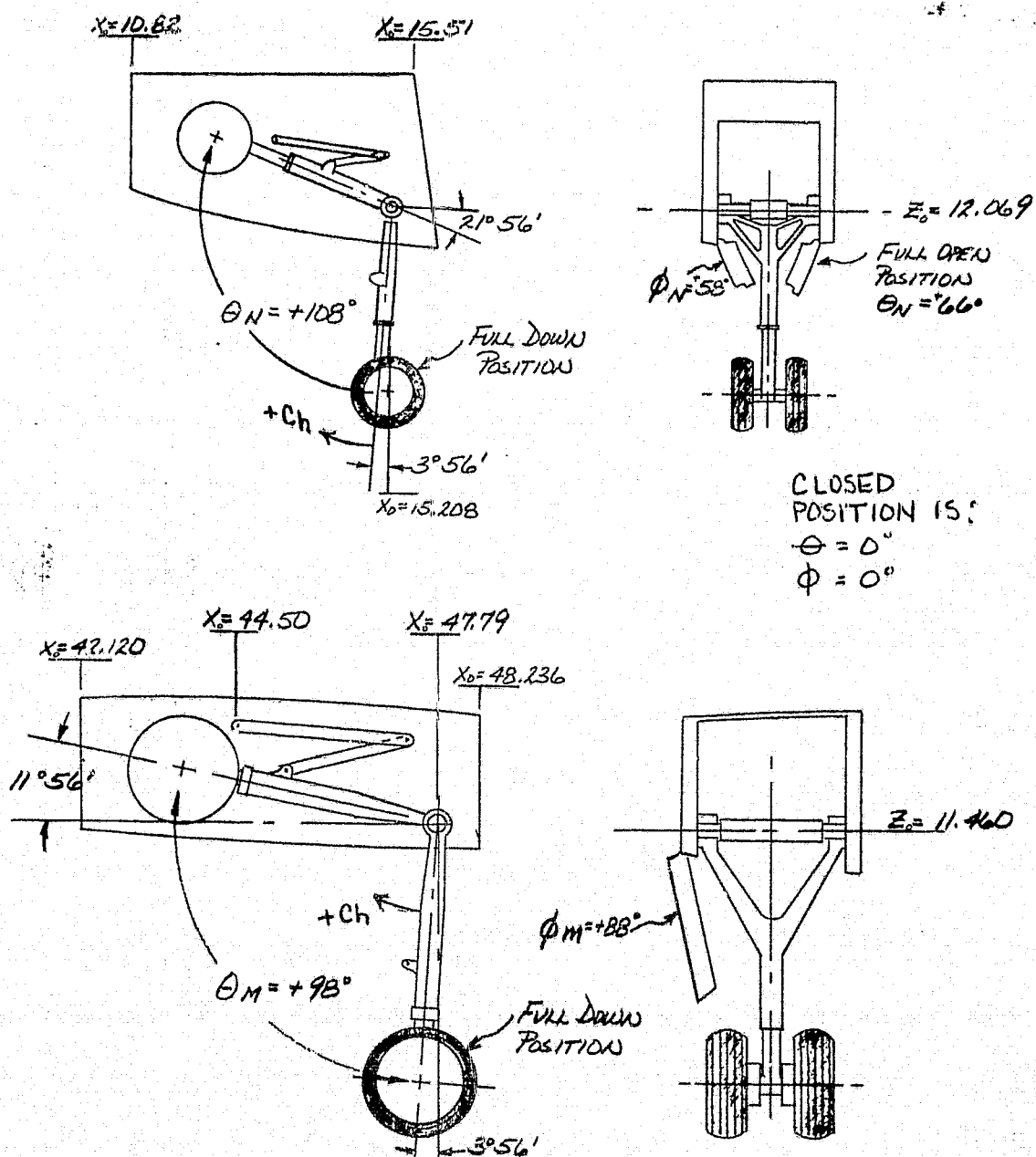
Figure 1. Continued.



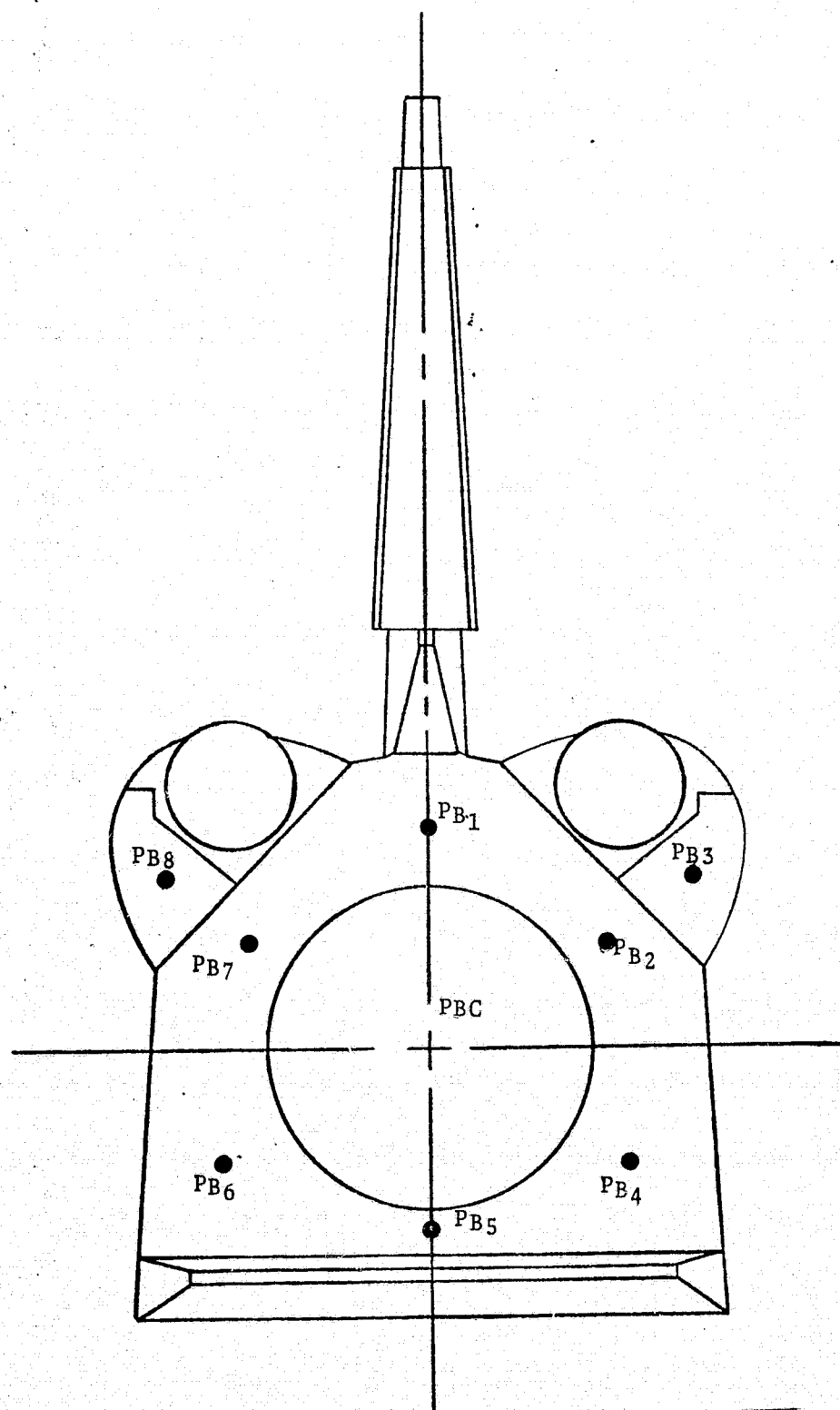
Door pressures
located using this
coordinate system.

DIMENSION	VALUE, INCHES	
	MAINDOOR	NOSE DOOR
b	2.794	1.154
c	6.116	4.393

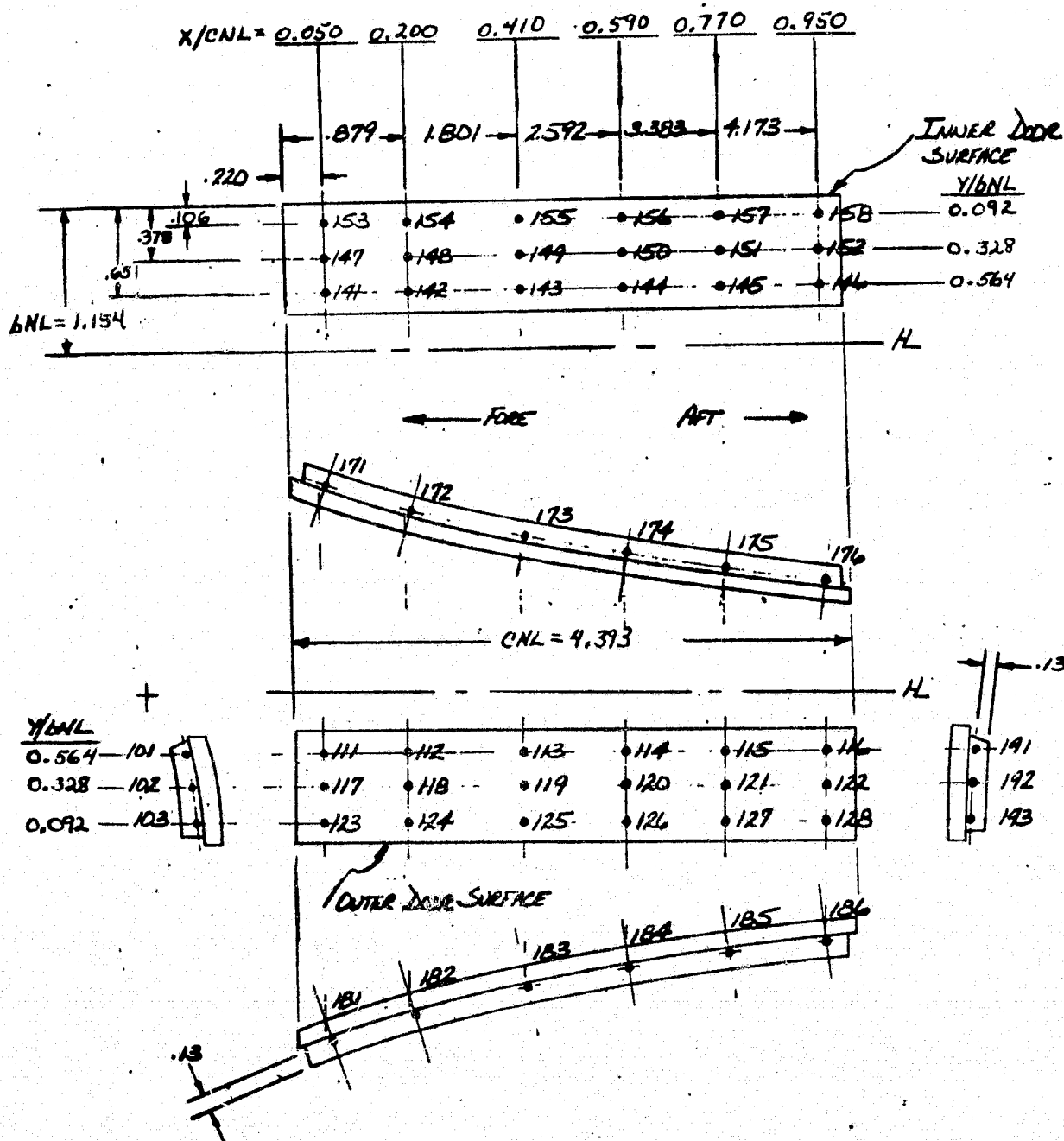
c. Gear Door Coordinate System
Figure 1. Continued.



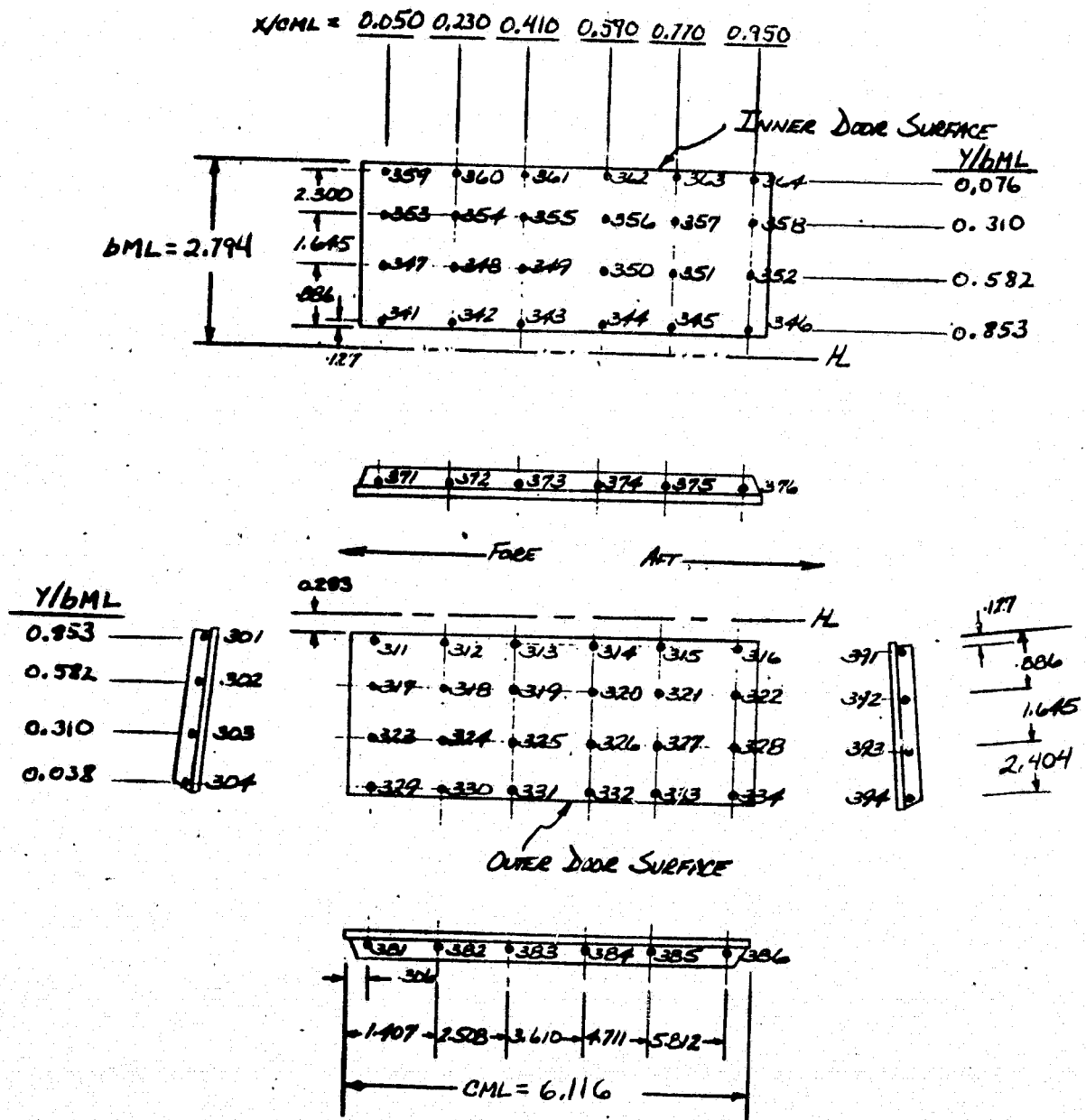
d. Sign Convention for Landing Gear
 Figure 1. Concluded.



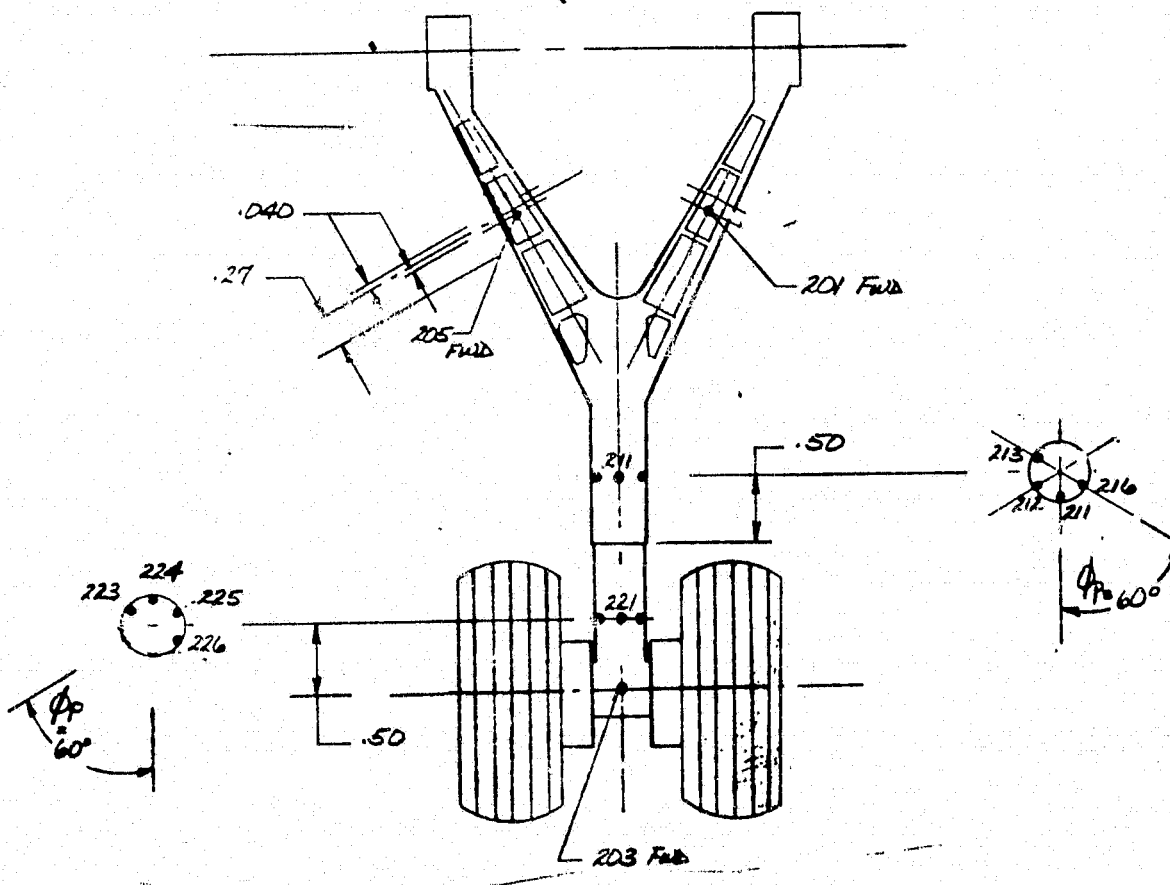
a. Model Base Pressure Instrumentation
Figure 2. Model sketches



b. L. H. NLG Door Pressure Instrumentation
Figure 2. Continued.

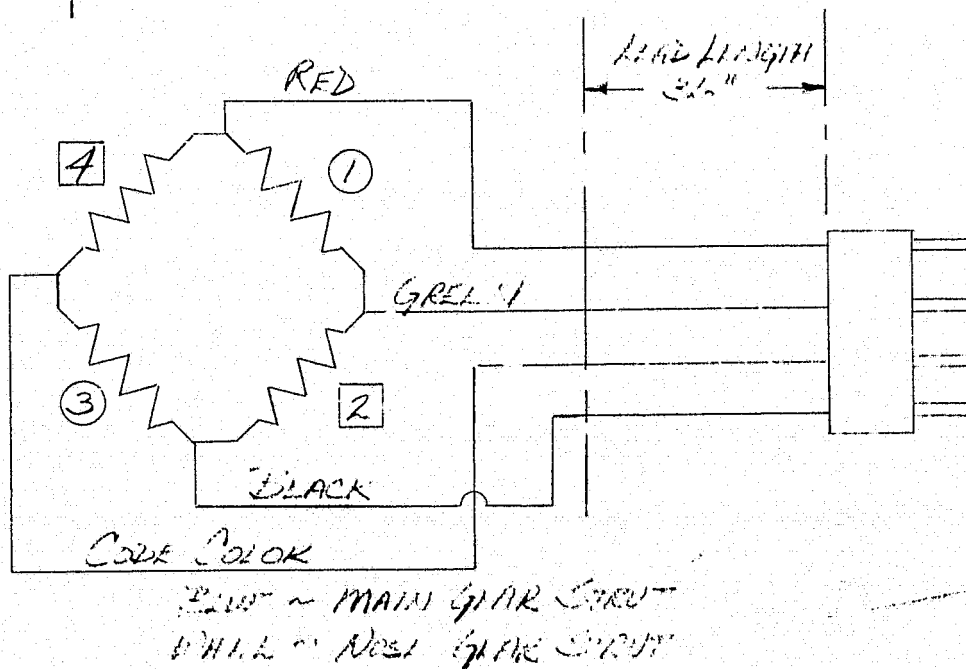
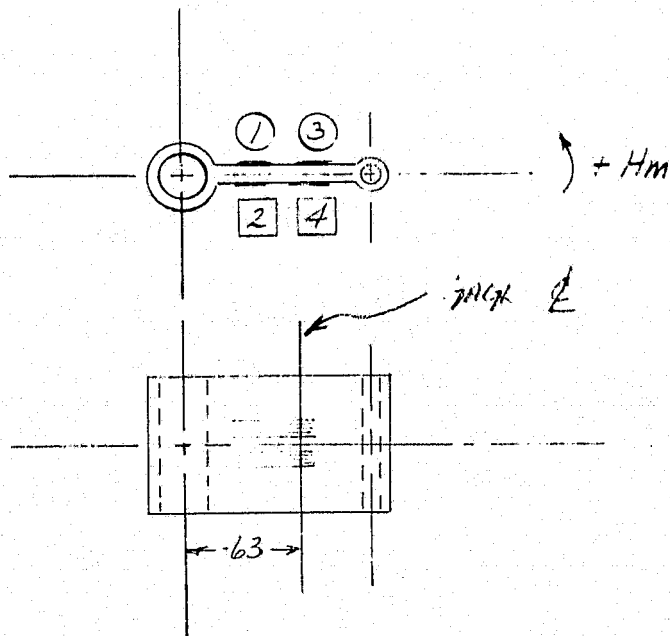


c. L. H. MLG Door Pressure Instrumentation
Figure 2. Continued.



WHEEL WELL TAPS	
TAP NO.	LOCATION
202	Center of left outboard wall of left wheel well
204	Center of rear wall, left wheel well
206	Bottom of inboard wheel, left wheel well
214	Center of front wall, left wheel well
215	Center of right inboard wall of left wheel well
221	Center of ceiling, left wheel well
222	Top of inboard wheel, left wheel well

d. L. H. MLG Strut Pressure Instrumentation
Figure 2. Continued.

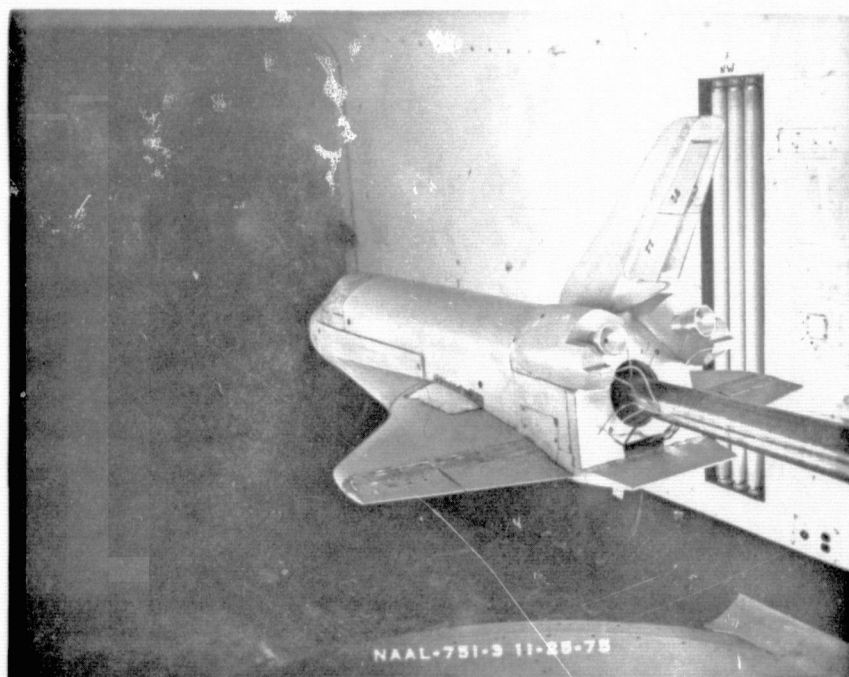


e. Typical Landing Gear Strut Strain Gage Instrumentation
Figure 2. Continued.

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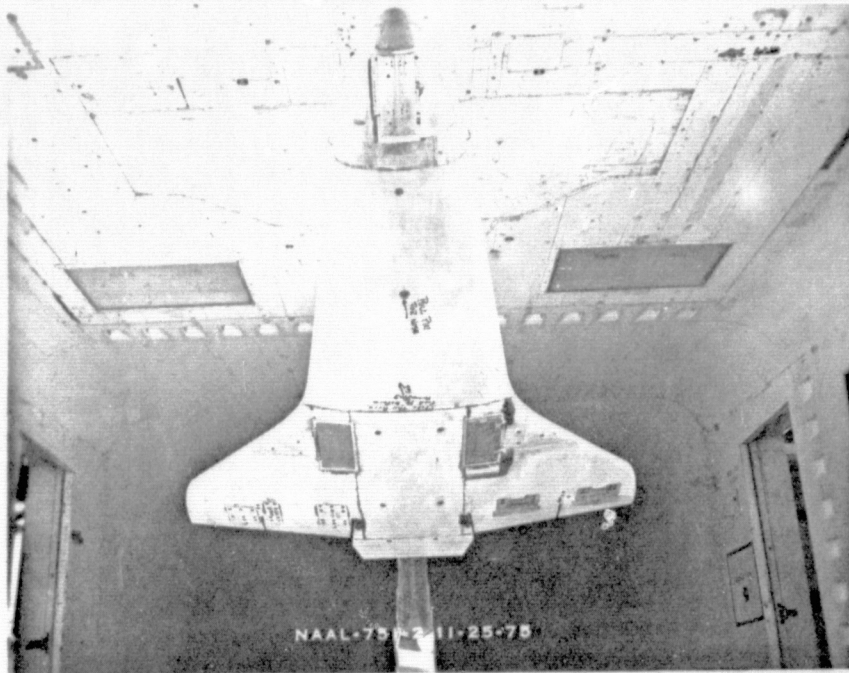


a. NAAL Installation, Front View, Model Configuration
B68C12G20M16N28W127E55F10V8R5X9



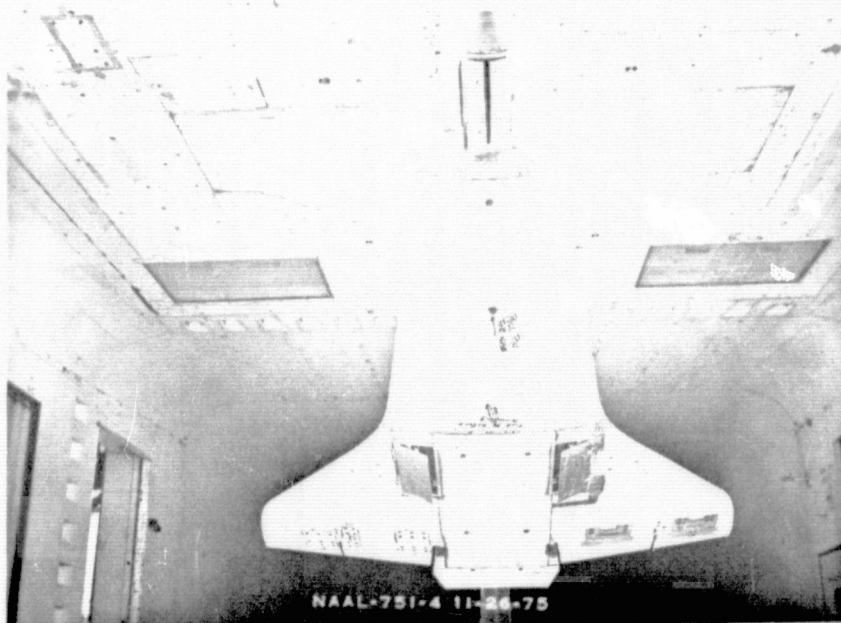
b. NAAL Installation, Rear View, Model Configuration
B68C12G20M16N28W127E55F10V8R5X9

Figure 3. Model photographs.



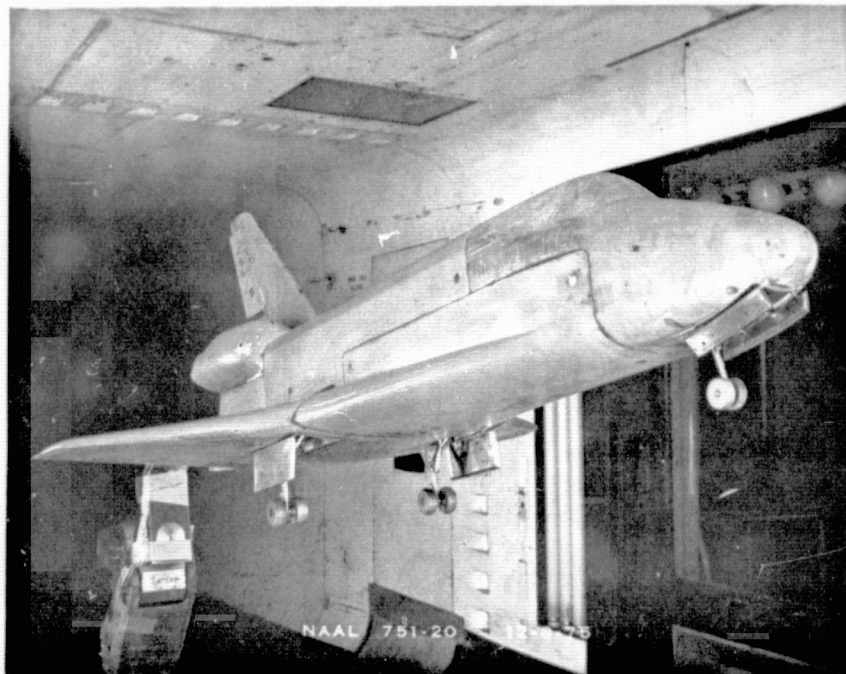
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OF POOR QUALITY

- c. NAAL Installation, Bottom View, Model Configuration B68C12G20M16N28W127E55F10V8R5X9, Landing Gear Fully Retracted



- d. NAAL Installation, Bottom View, Model Configuration B68C12G20M16N28W127E55F10V8R5X9, Landing Gear Partially Extended

Figure 3. Continued.



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OF POOR QUALITY

- e. NAAL Installation, Bottom View, Model Configuration
B68C12G20M16N28W127E55F10V8R5X9, Landing Gear Fully Extended
Figure 3. Concluded.

DATA FIGURES

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DATA SET SYMBOL		CONFIGURATION		THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
ATPF01	○	0A163B	B58C12C20M16N29M127E5F10V6P5X9J11	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
ATPF05	□	0A163B	B58C12C20M16N29M127E5F10V6P5X9J11	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

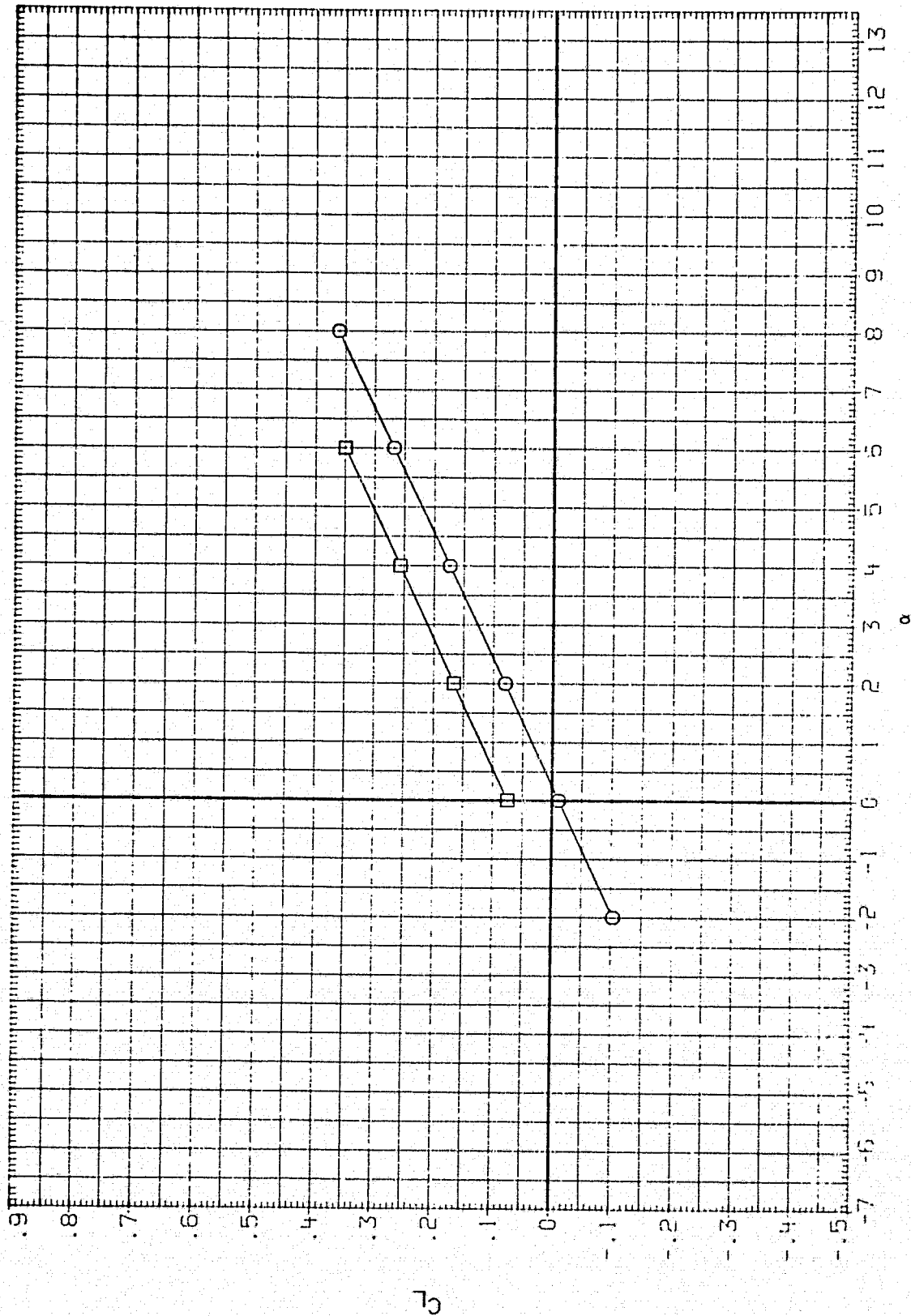


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(A:SETA = -5.00

DATA SET SYMBOL		CONTIGURATION		THE TAN		PHI-N		THE TMR		PHI-ML		PHI-MR		ZLV-L		BDFLAP	
APPF01	○	0A1639	RDRC12G2DM16N29N127E5F	10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	32.200	32.200	5.000	5.000	5.000	5.000
APPF05	□	0A1638	BL6C12G2DM16N28N127E5F	10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	32.200	32.200	5.000	5.000	5.000	5.000

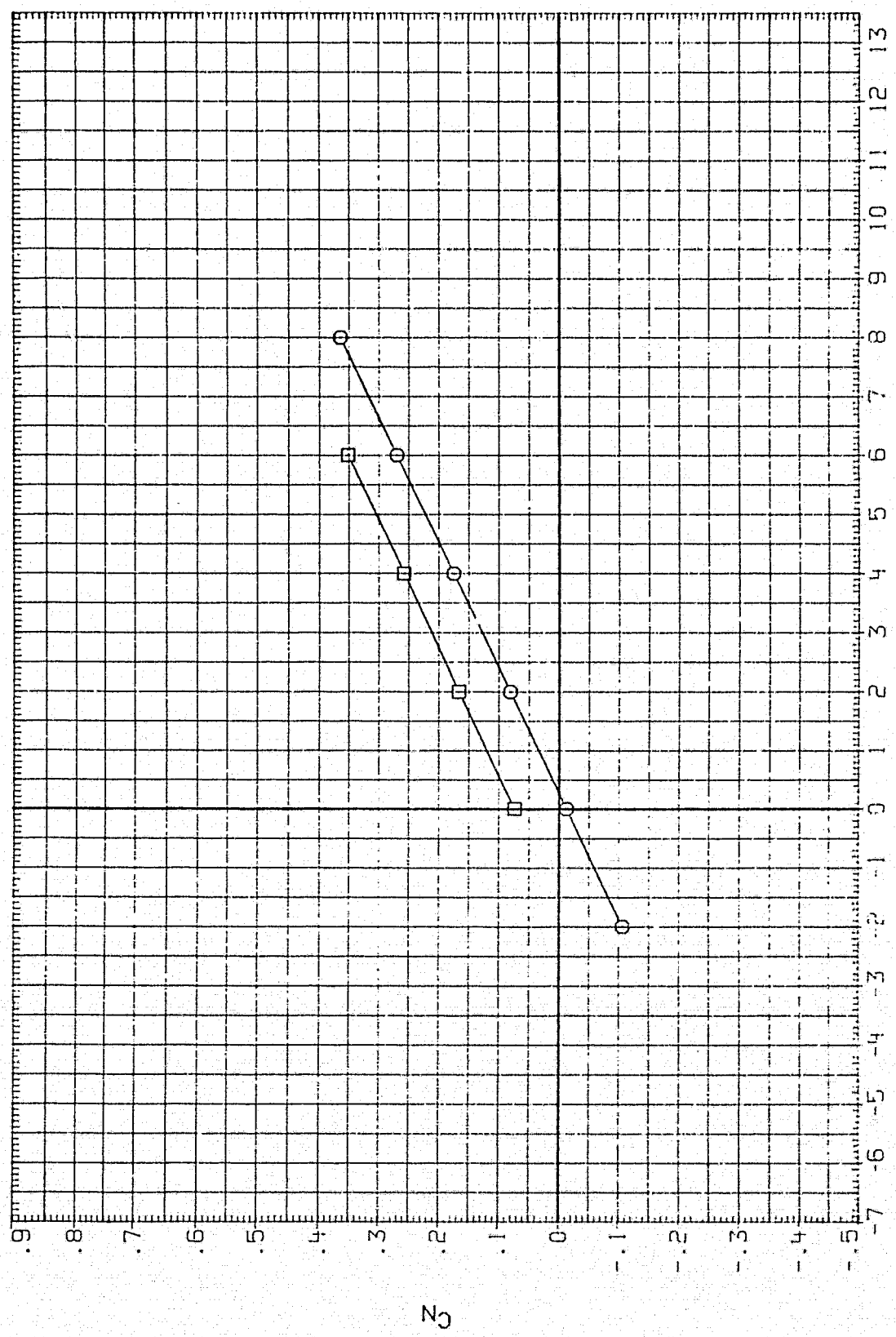


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THEIML	THEIMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A163B 868C12C20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A163B 868C12C20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

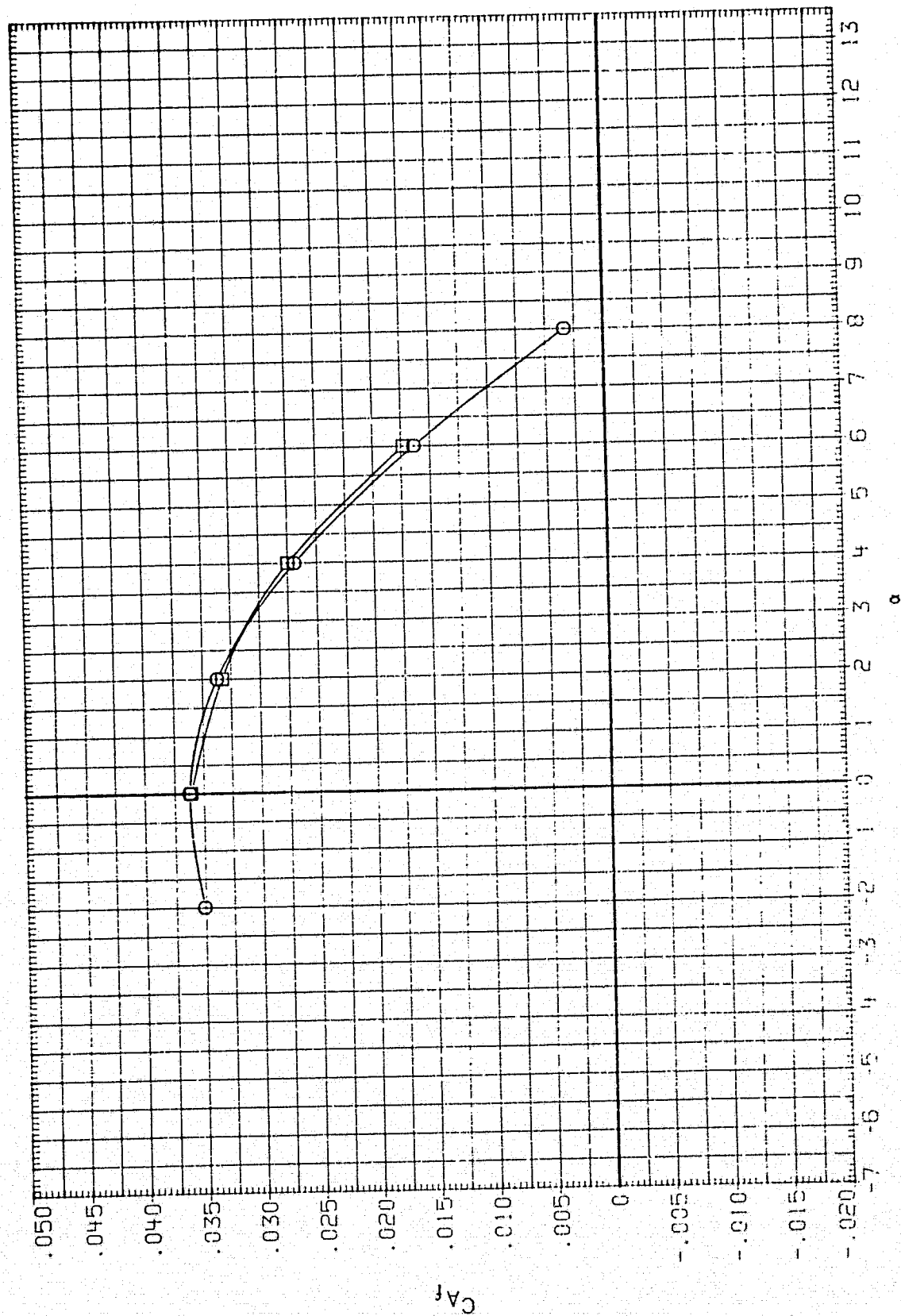


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL

APFF01 0 0A163B B66C12020M16N28M127E5F10V8P5X911
 APFF05 0 0A163B B66C12020M16N28M127E5F10V8P5X911

CONFIGURATION

THETAN 5.000 30.800 30.800 5.000
 THETML 5.000 5.000 5.000 5.000
 THETMR 5.000 5.000 5.000 5.000
 PHI-ML 32.200 32.200 32.200 32.200
 PHI-MR 32.200 32.200 32.200 32.200
 ELV-L 5.000 5.000 5.000 5.000
 BDFLAP .000 .000 .000 .000

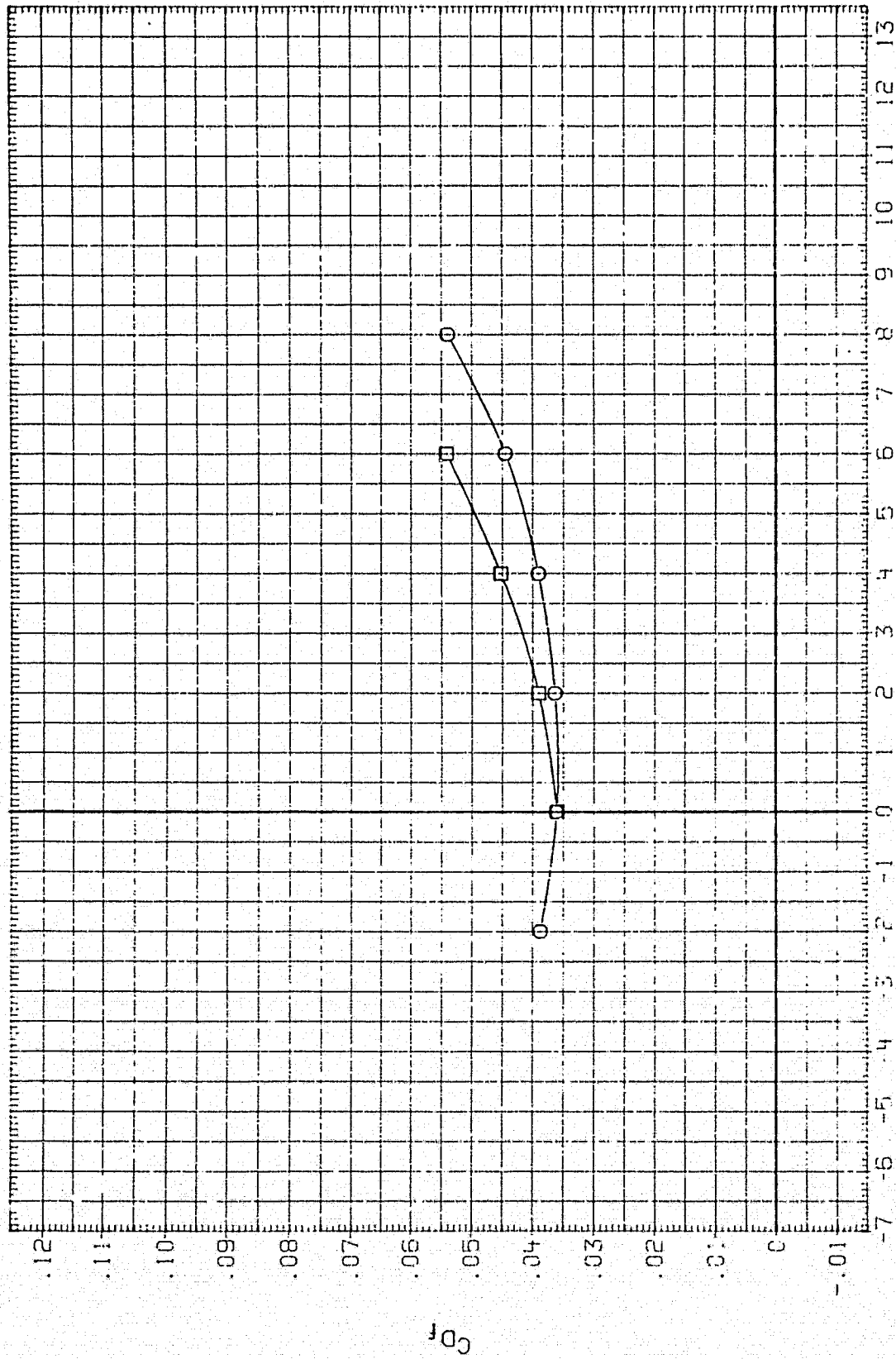


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA - -5.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPT01	○	0A163B	859C12G20M1G128H127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPT05	□	0A163B	868C12G20M1G128H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

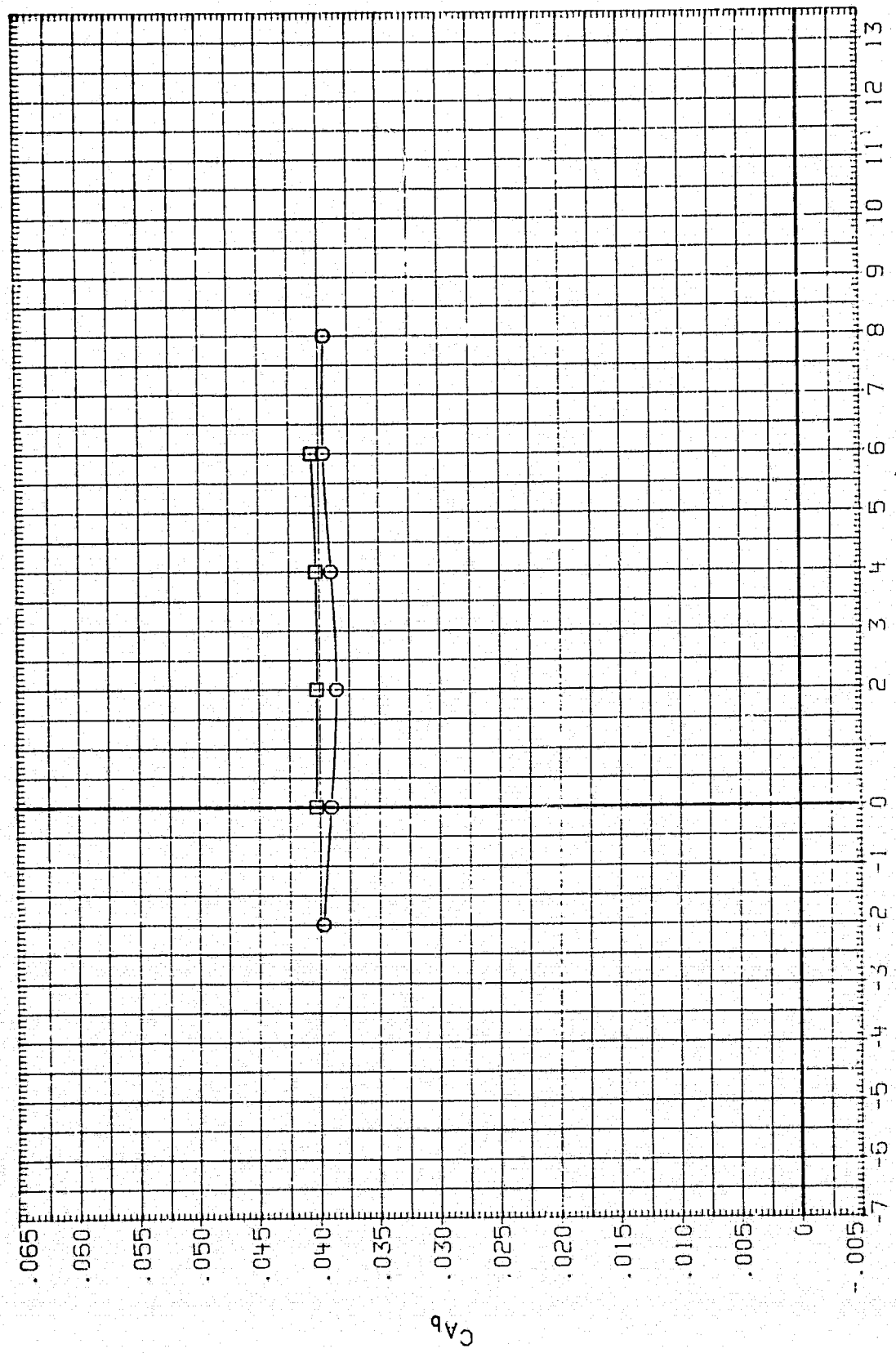


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET	SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THEIMR	PHI-ML	PHI-MR	ELV-L	BDELAP
AFPF01	○	0A1638 B68C12G20M16N28H127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A1638 B68C12G20M16N28H127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

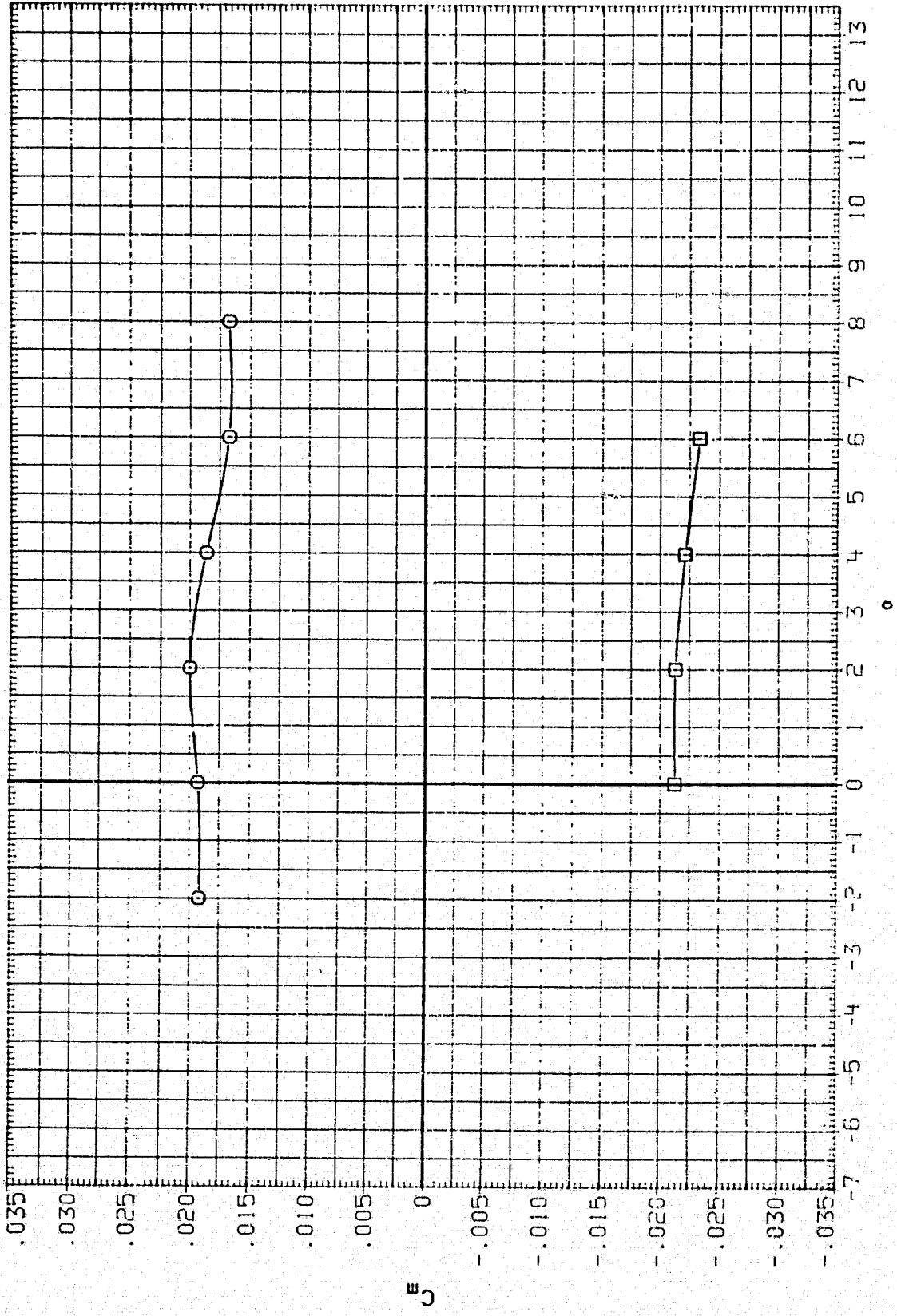


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

THE TAN	PHI - N	THE THL	THE TMR	PHI - ML	PHI - MR	ELV - L	BDF LAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	
5.000	30.800	5.000	5.000	32.200	32.200	5.000	

DATA SET SYMBOL

AFPF01

AFPF05

CONFIGURATION

0A163B B68C12G20M16N28M127E5F10V8R5X911

0A163B B68C12G20M16N28M127E5F10V8R5X911

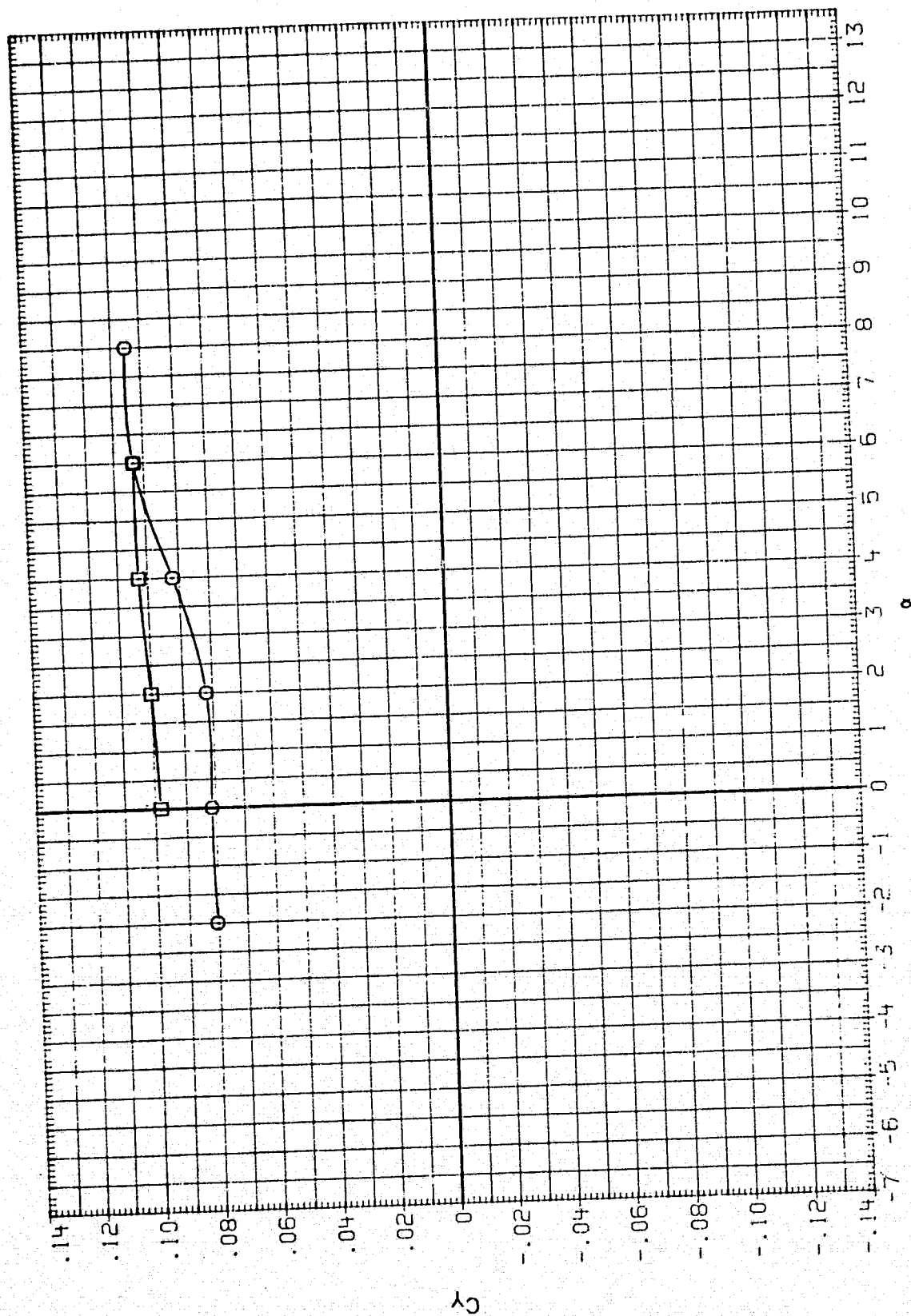


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A1638 R68C12020M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A1638 R68C12020M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

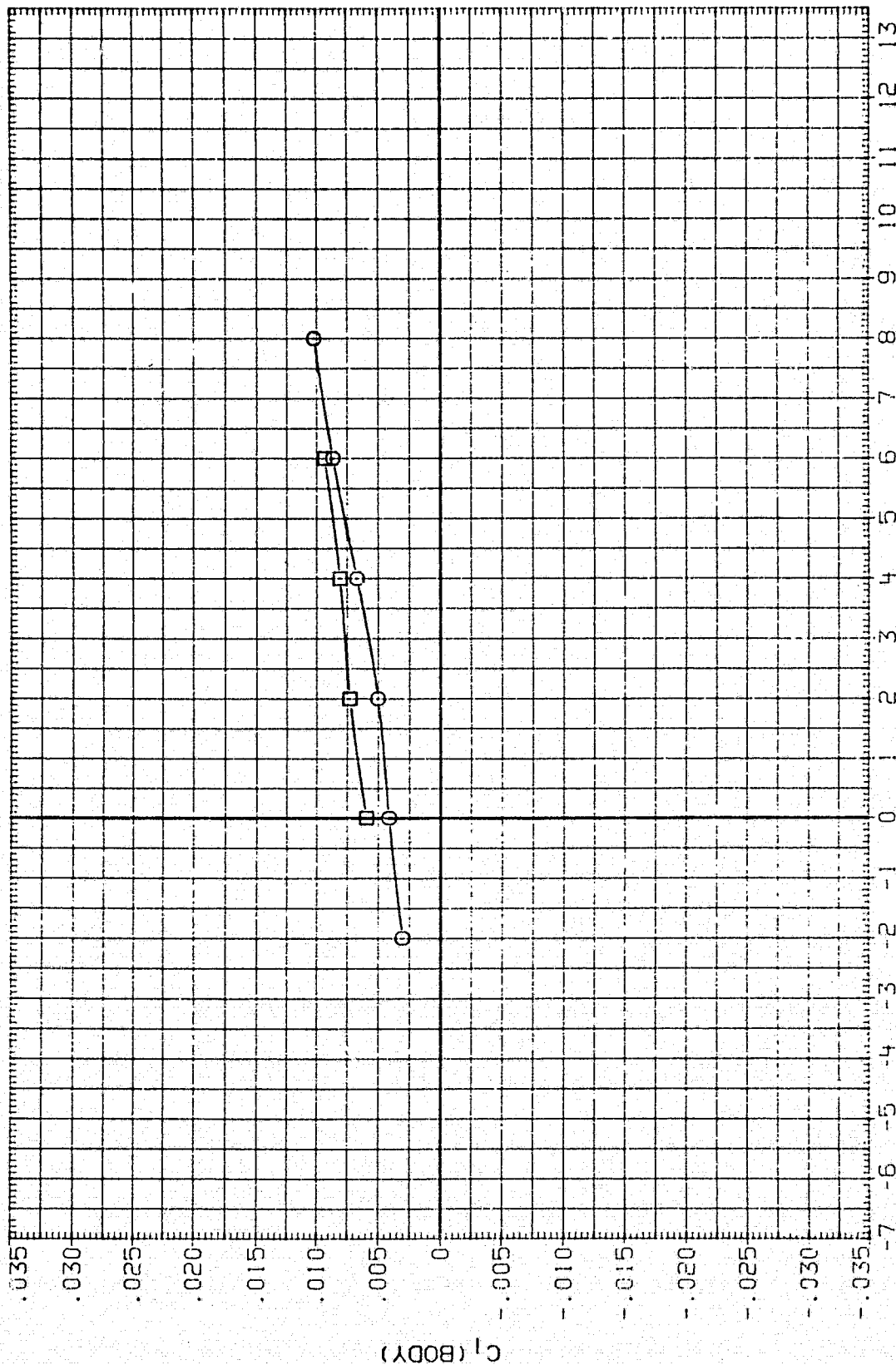


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

ALPHA = -5.00

DATA SET SYMBOL

AFPF01
AFPF05

CONFIGURATION

0A163B
0A163B

B68C12020M16N28H127E5F10V8P5X911
B68C12020M16N28H127E5F10V8P5X911

THETAN
5.000
5.000

PHI-N
30.800
30.800

THETML
5.000
5.000

PHI-ML
32.200
32.200

PHI-MR
32.200
32.200

ELV-L
5.000
5.000

BOFLAP
.000
.000

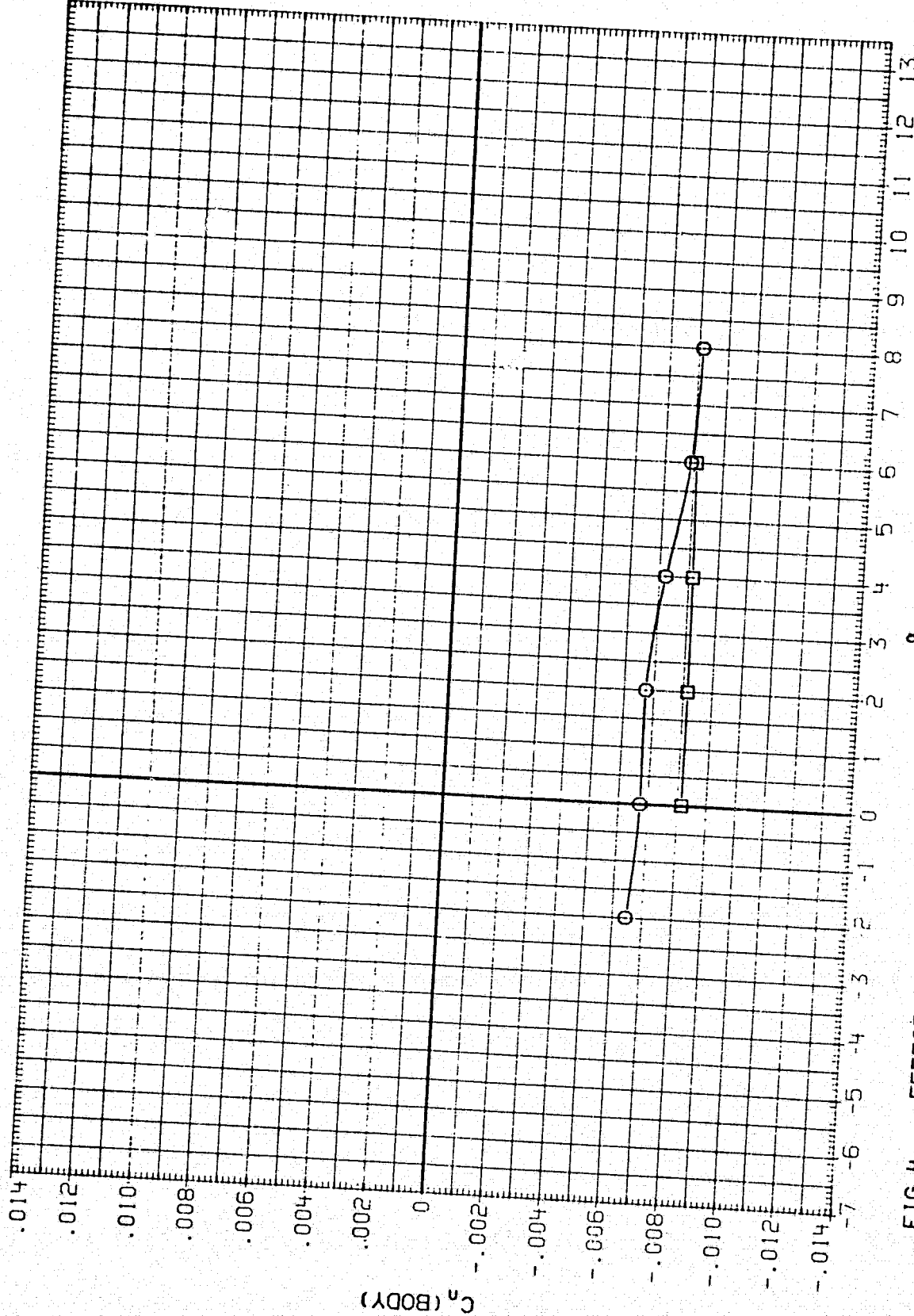


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS
(A) BETA = -5.00

DATA SET SYMBOL CONFIGURATION

APPF01 O 0A1638 B59C12020M16N28W127E5F 10V8F5X911

APPF05 □ 0A1638 B59C12020M16N28W127E5F 10V8F5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP

5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000

5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000

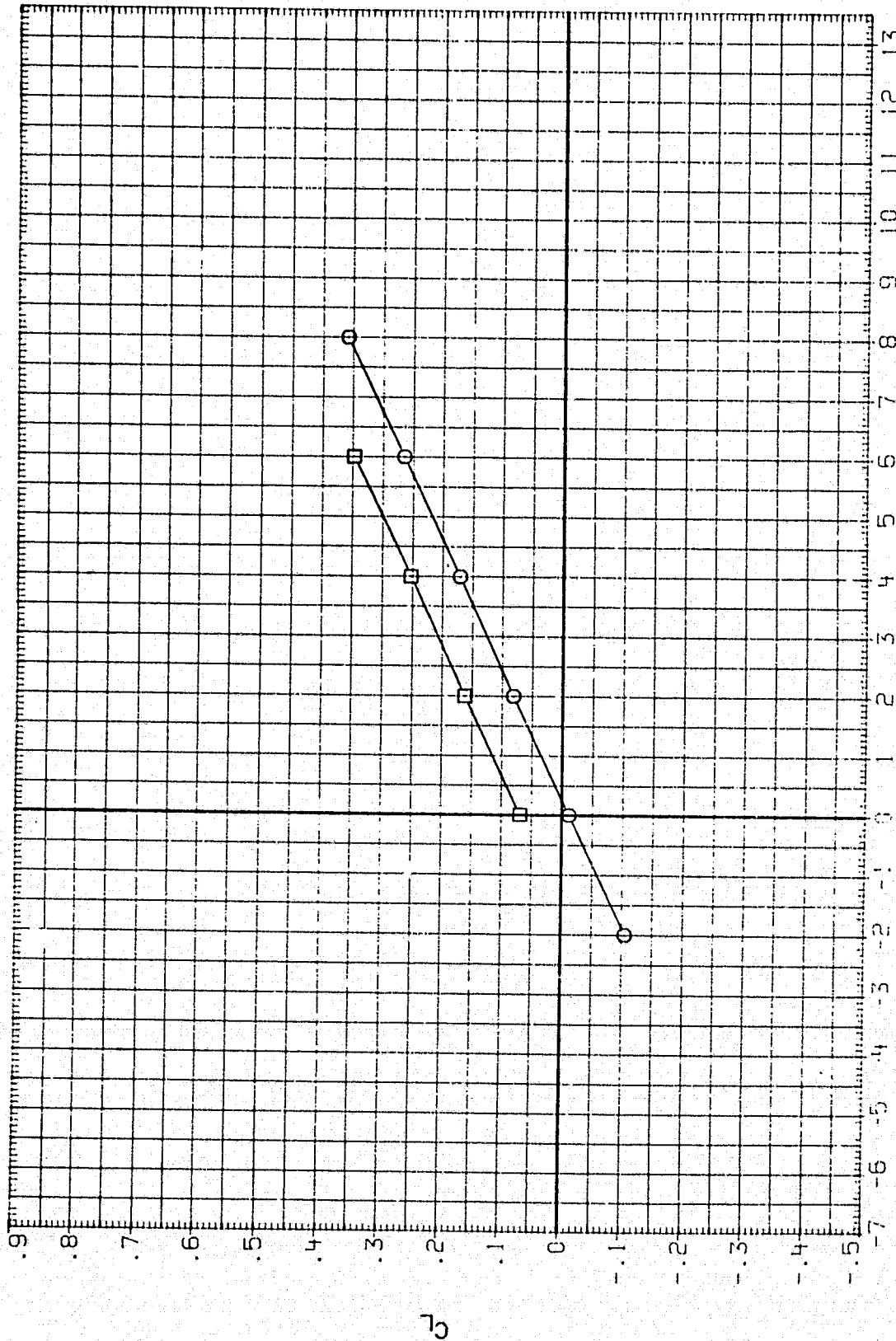


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(B)BETA = -4.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPD1	0A163B B68C12G20M15N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPD5	0A163B B68C12G20M15N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	

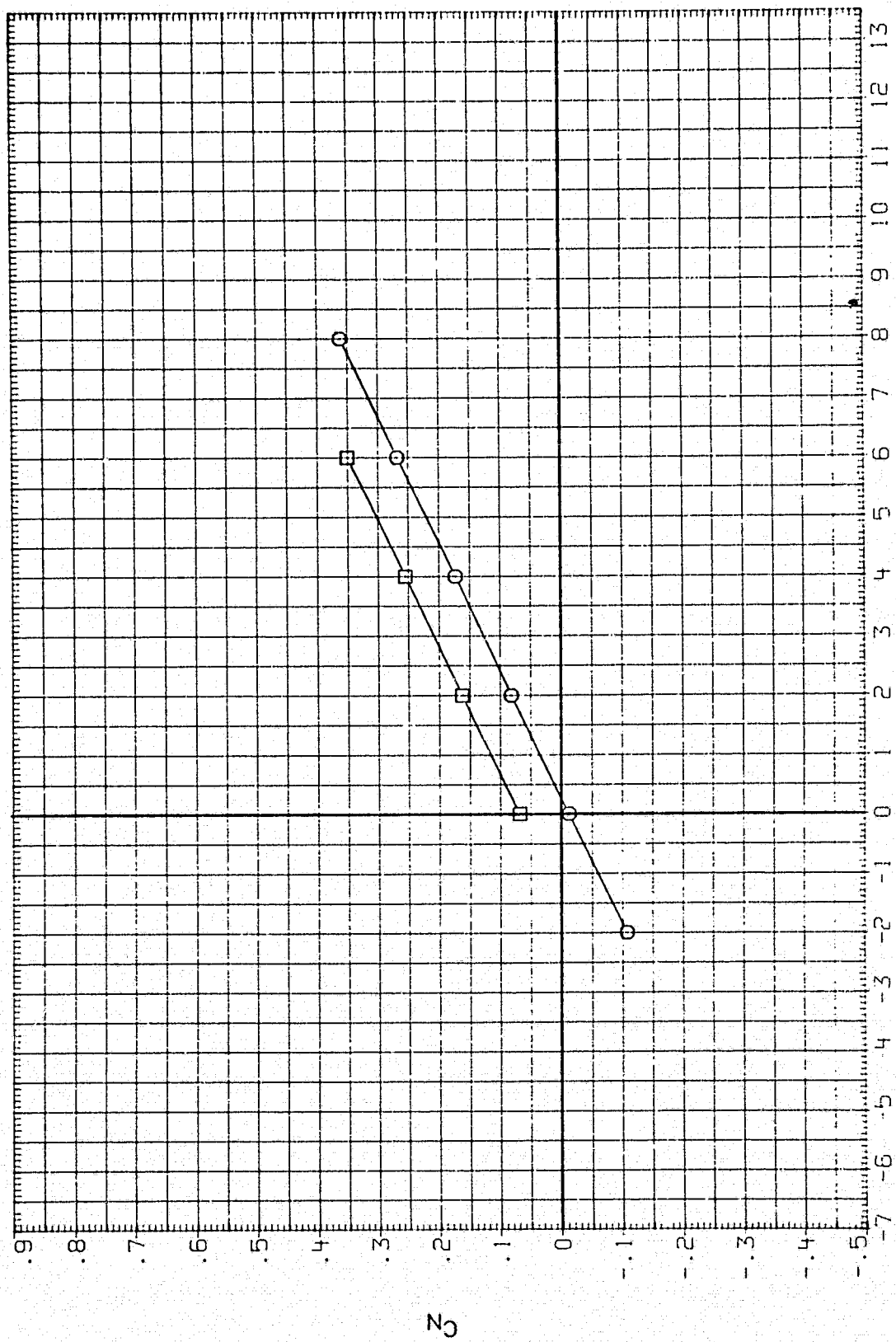


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI - N	THE TMR	PHI - ML	PHI - MR	ELV - L	BDF LAP
AFPF01	0A163R B66C12020M1E628W12715F10V9R5X911	5.000	30.800	5.000	32.200	32.200	.000	
AFPF05	0A163B B66C12020M1E628W12715F10V9R5X911	5.000	30.800	5.000	32.200	32.200	.000	

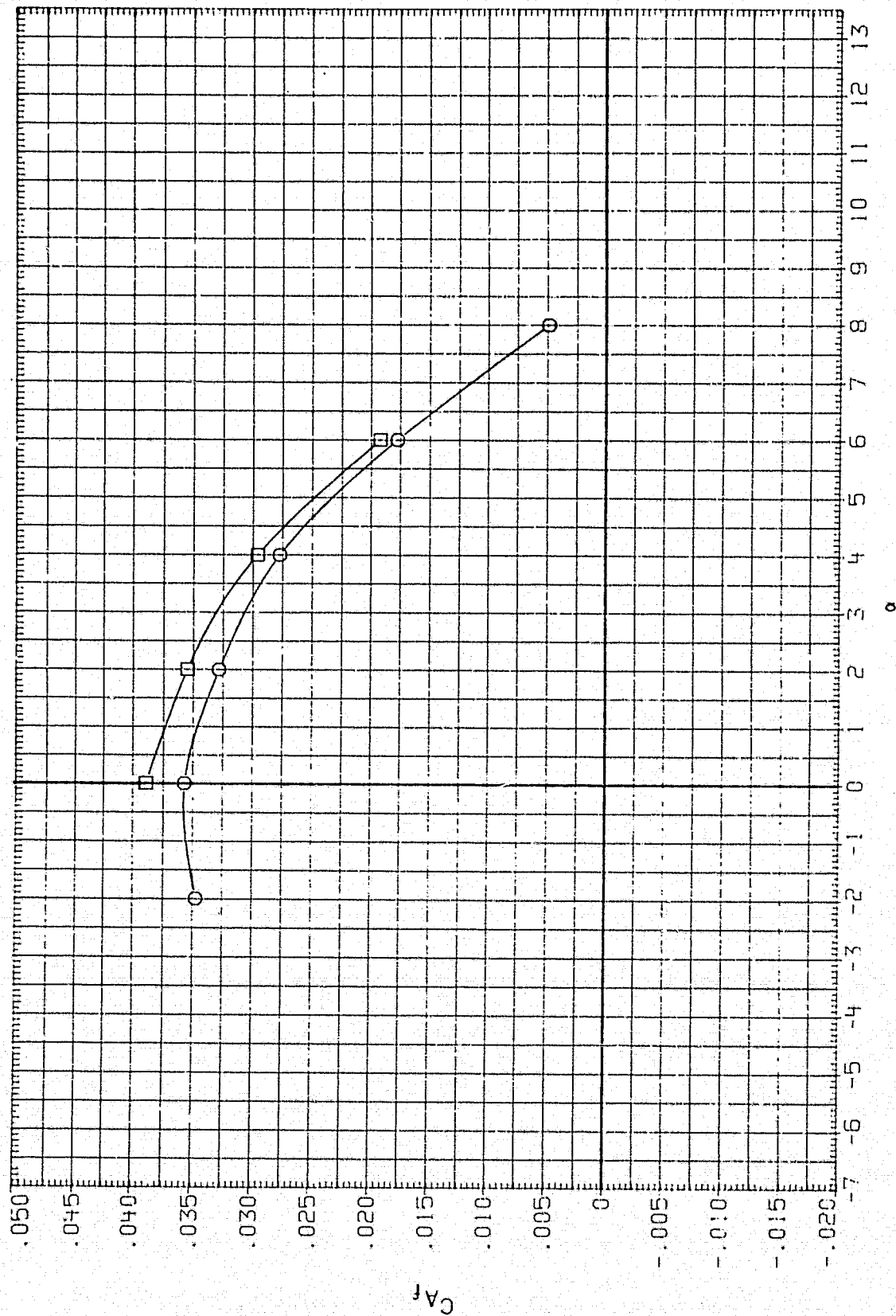


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(3) BETA = -4.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	○	0A163B	B68C12G20M16N28W127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A163B	B68C12G20M16N28W127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

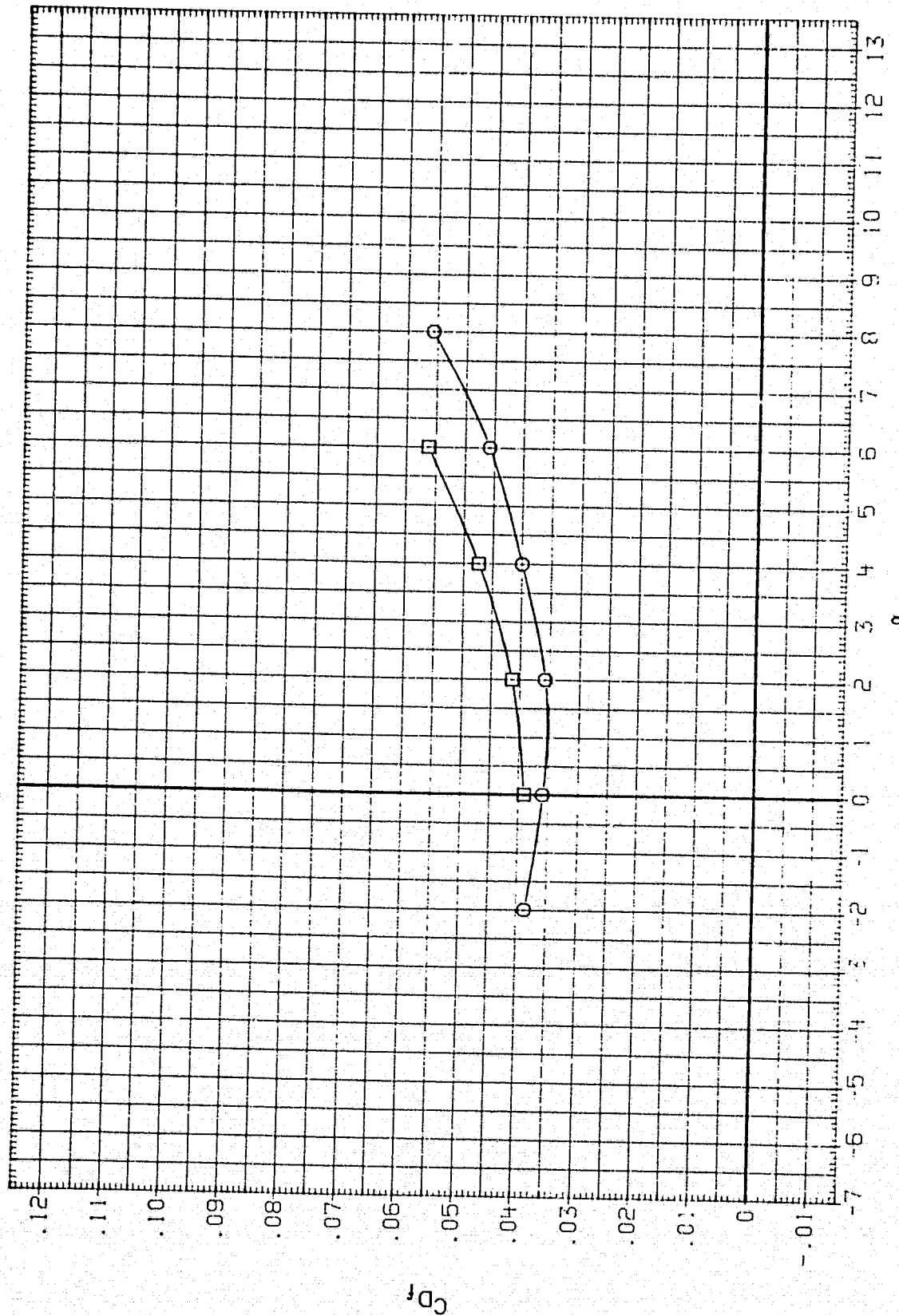


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THEIML	THEIMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A1638 B68C12020M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A1638 B68C12020M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

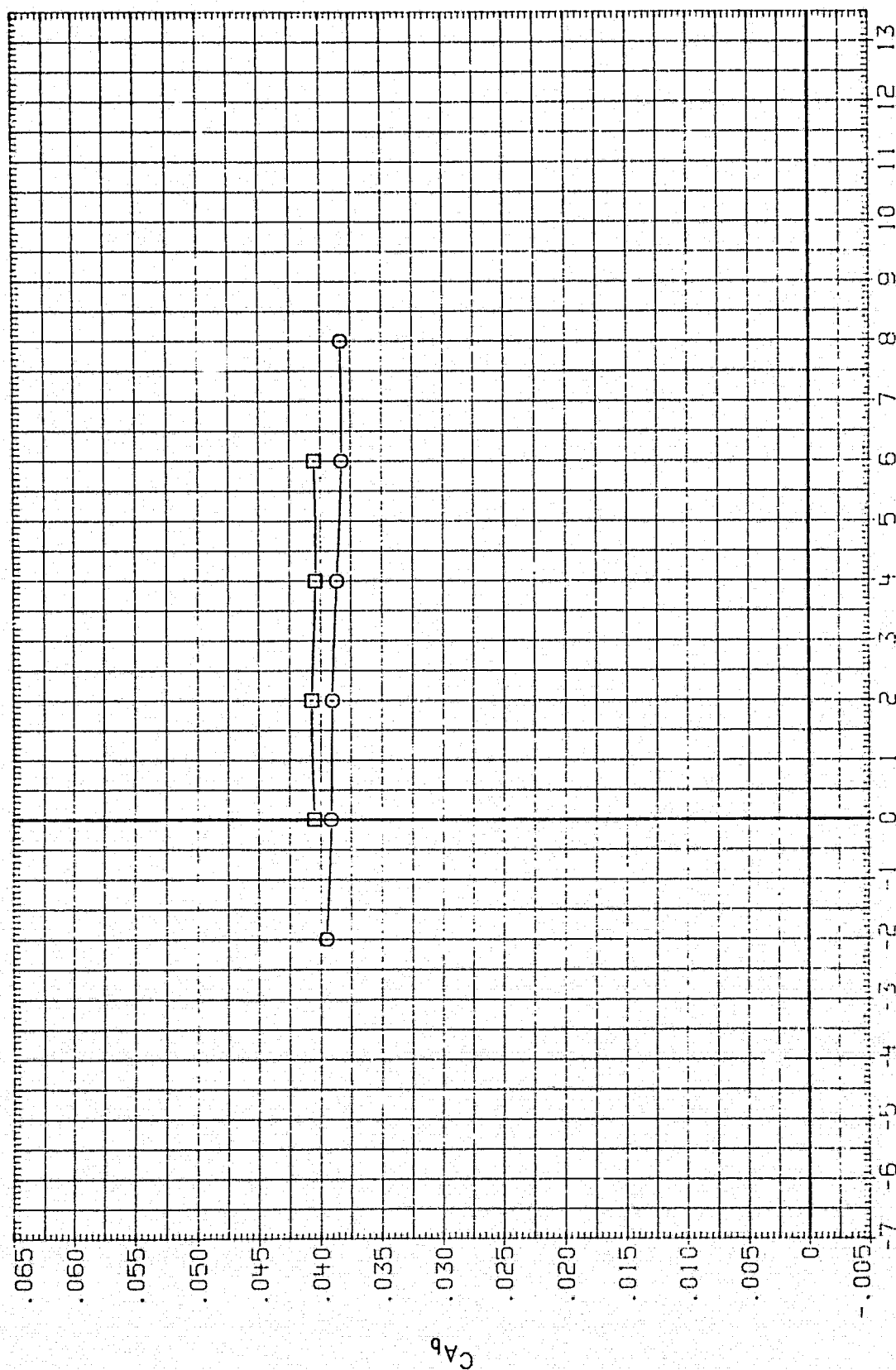


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(B) BETA = -4.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THEIML	THEIMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	0A163B B68C12G20M16A28N127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A163B B68C12G20M16A28N127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

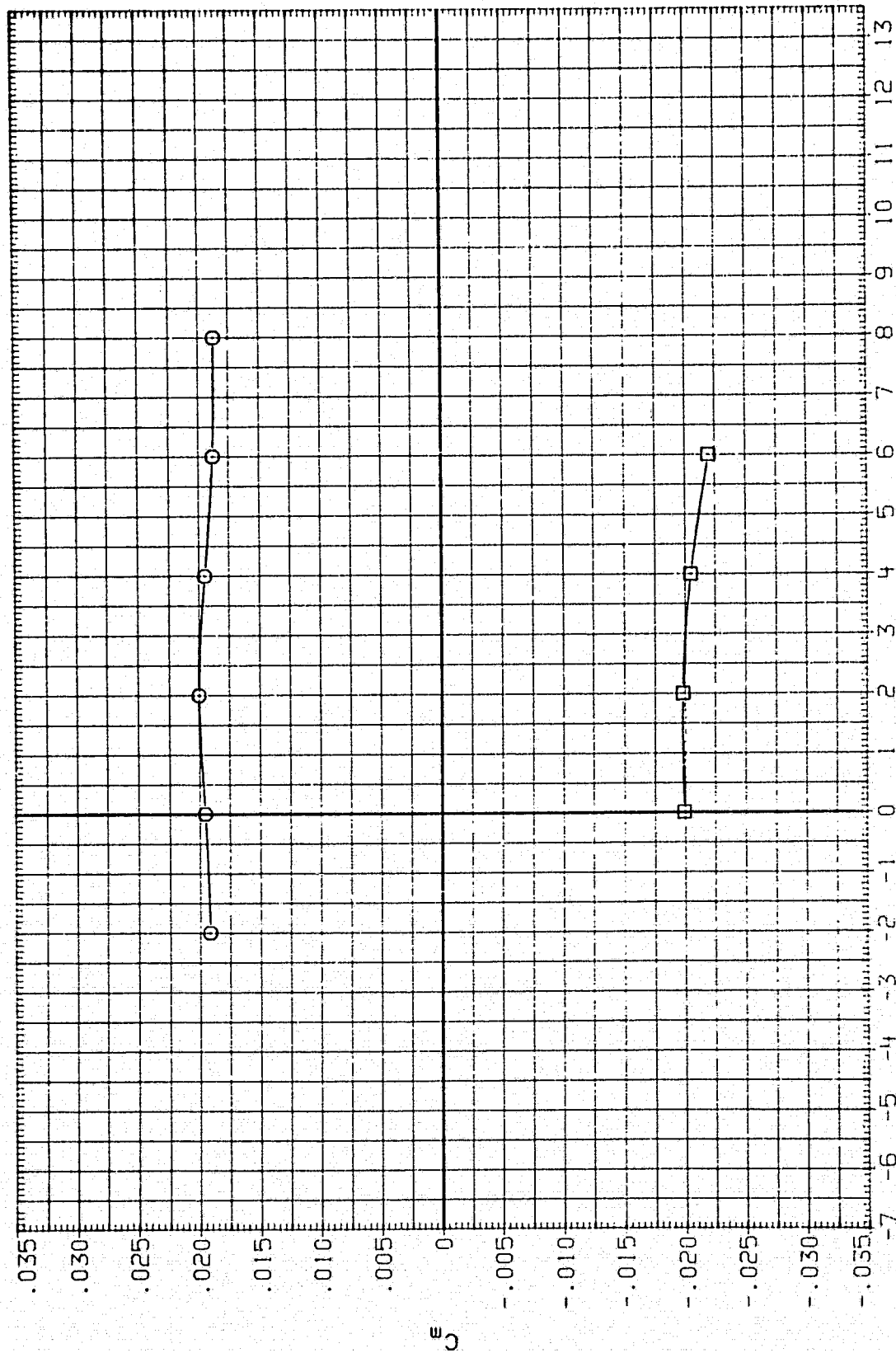


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL
 AFF01
 AFF05

CONFIGURATION

0A163B B68C12020M16N28W127E5F10V8R5X911
 0A163B B68C12020M16N28W127E5F10V8R5X911

THETAN PHI-N THEIML THETMR PHI-ML PHI-MR ELV-L BDFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000

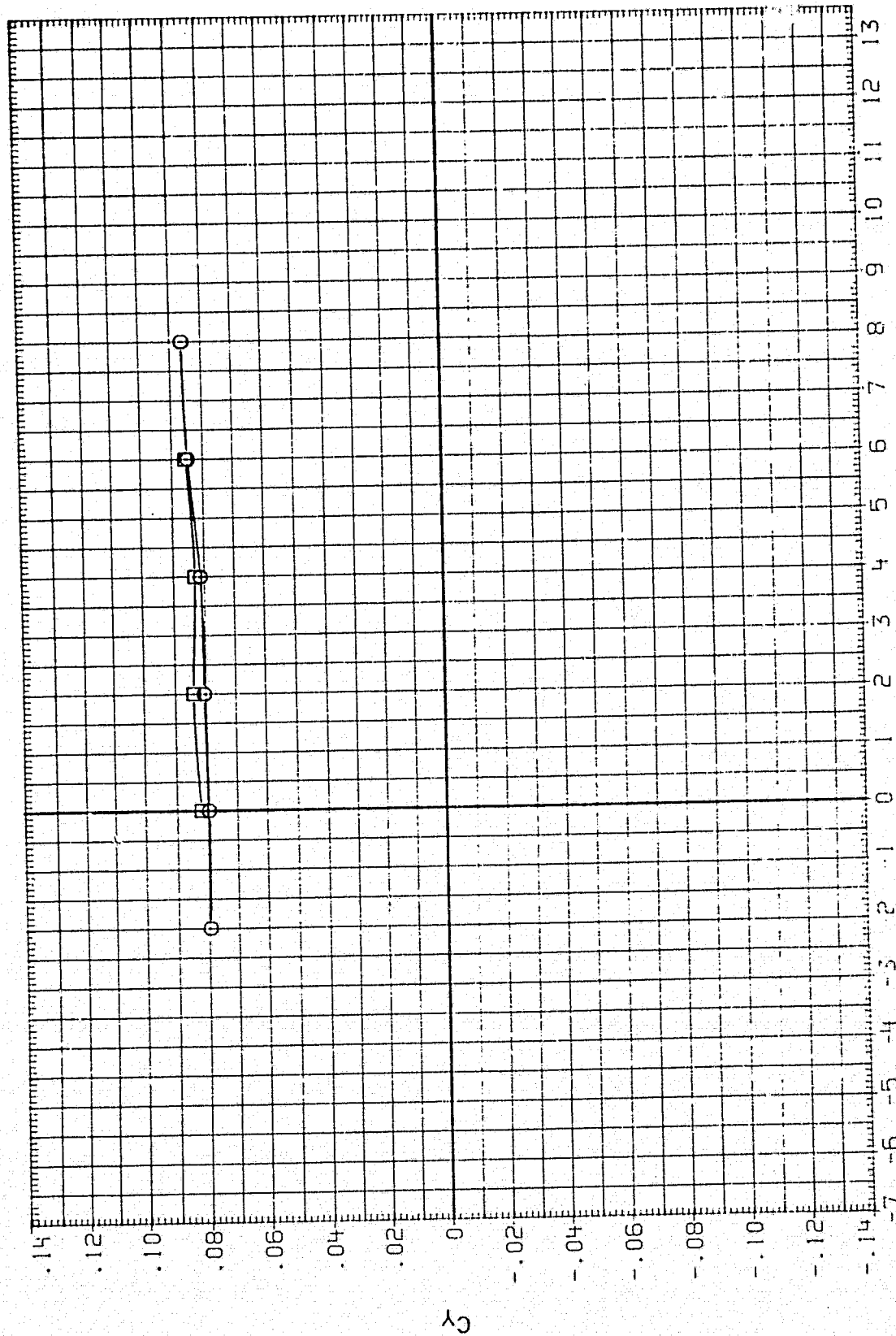


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(B) BETA = -4.00

DATA SET SYMBOL		CONFIGURATION		THETA	PHI-N	THETA-M	THETA-R	PHI-M-L	PHI-M-R	ELV-L	BDELAP
AFPF01	○	0A163B	B68C12G20M16N28M12T75F10V8M5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	□	0A163B	B68C12G20M16N28M12T75F10V8M5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

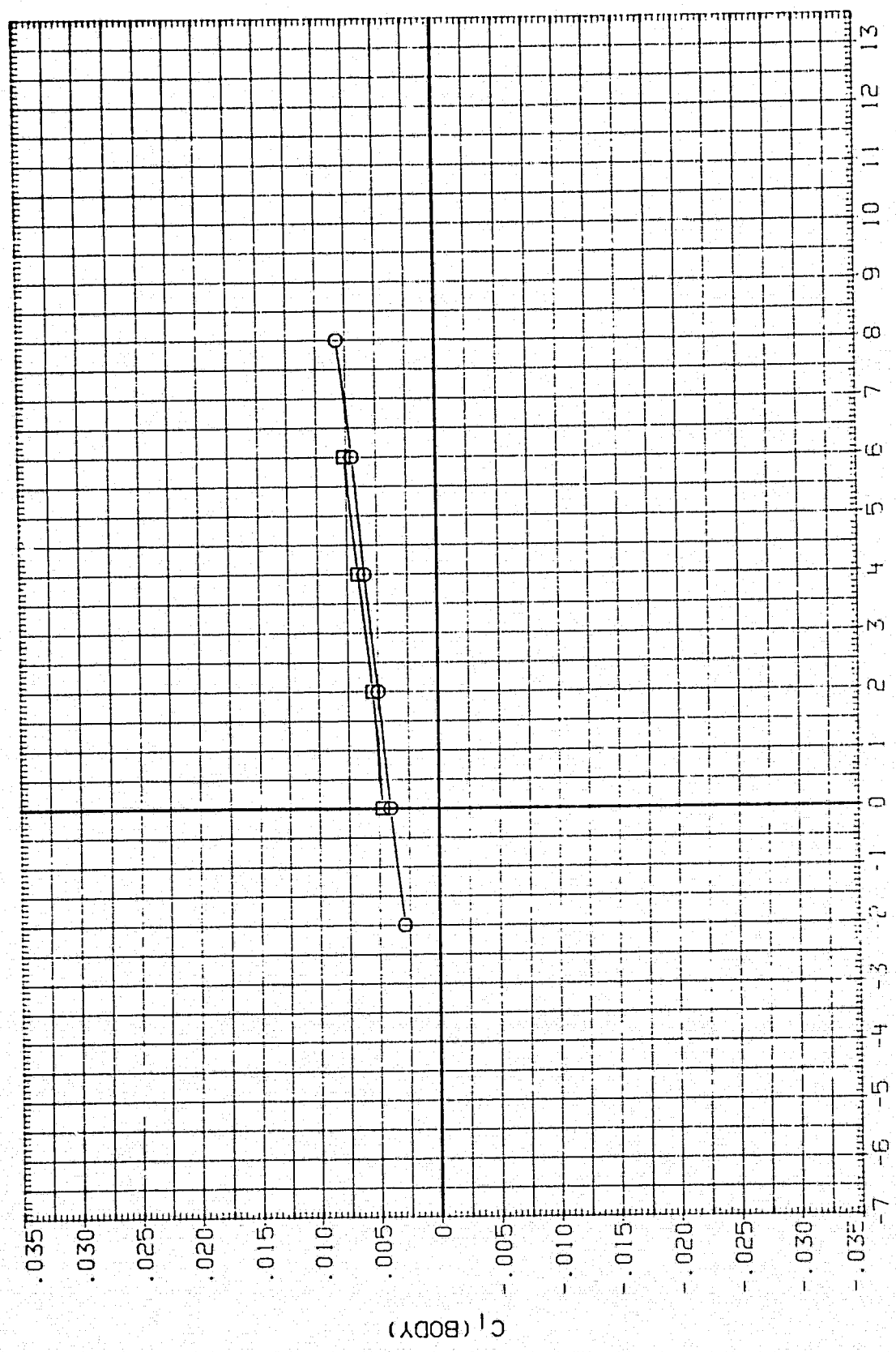


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(B) BETA = -4.00

DATA SET	SYMBOL	CONF	IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	○	0A163B	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A163B	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

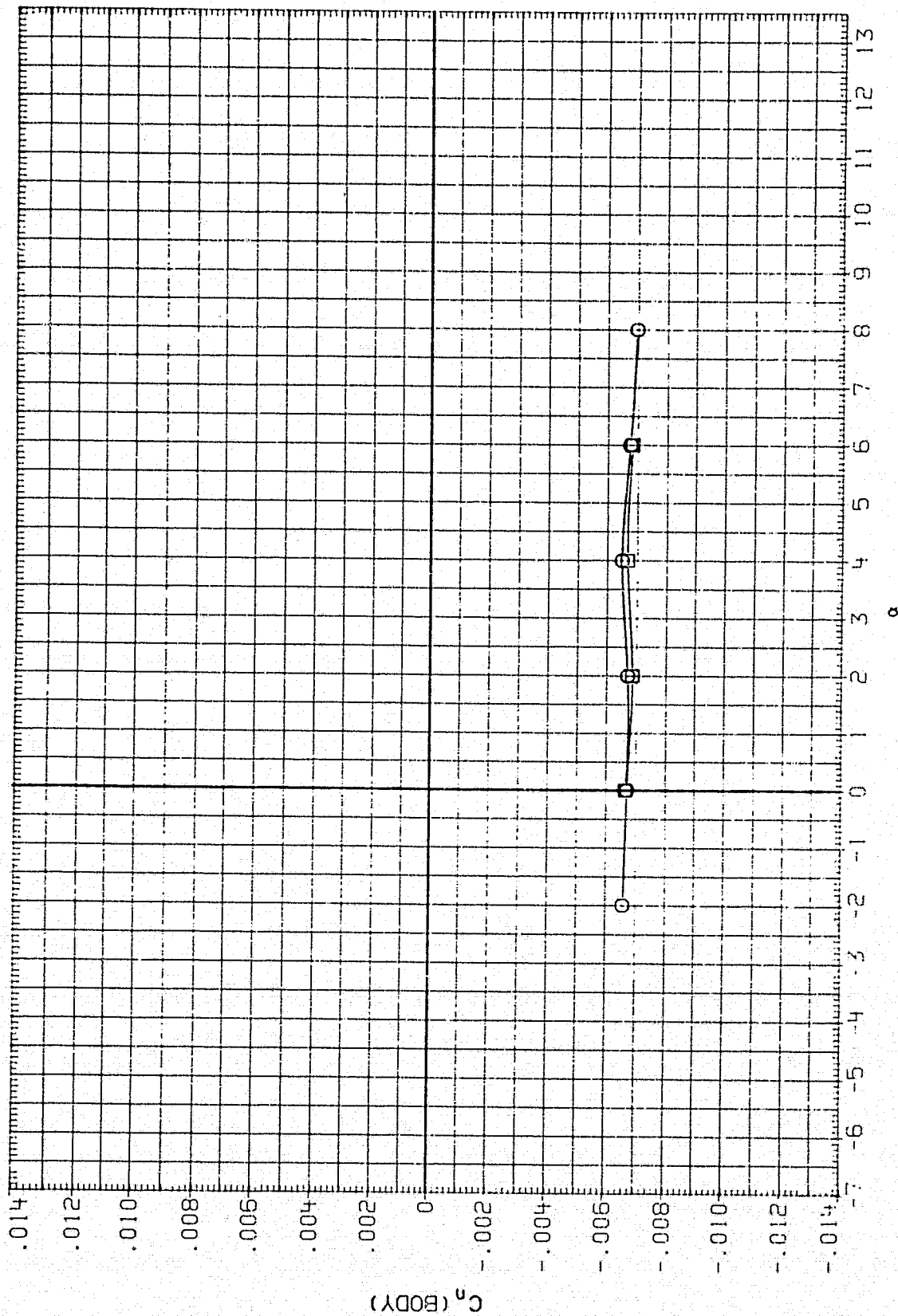


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(B) BETA = -4.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BCFLAP
AFPP01	Q	0A1638	868C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPP05	Q	0A1F38	868C12G20M16N28M127E5F10V8R5X911	5.090	30.800	5.000	5.000	32.200	32.200	5.000	.000

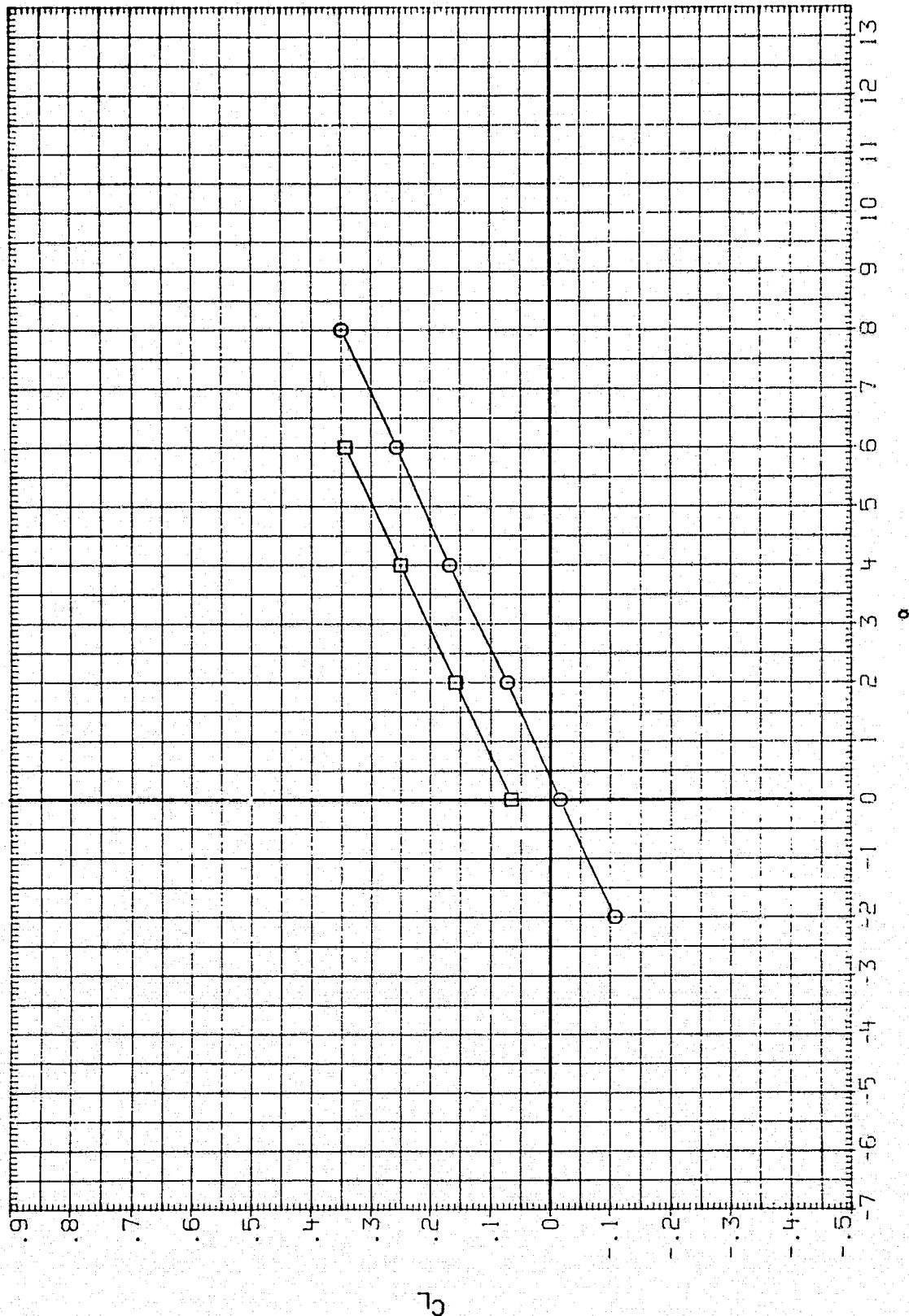


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(C)BETA = -3.00

BDCLAP
-000
-000

ELV-L
-000
5.000

PHI-MR
32.200
32.200

PHI-ML
32.200
32.200

THE1MR
5.000
5.000

THE1ML
5.000
5.000

PHI-N
30.800
30.800

THETAN
5.000
5.000

CONF IGURATION

0A1638 B68C12G2C0M16A28M127E5F 10V8P5X911
0A1638 B68C12G2C0M16A28M127E5F 10V8P5X911

DATA SET SYMBOL
A" 201
AF 05

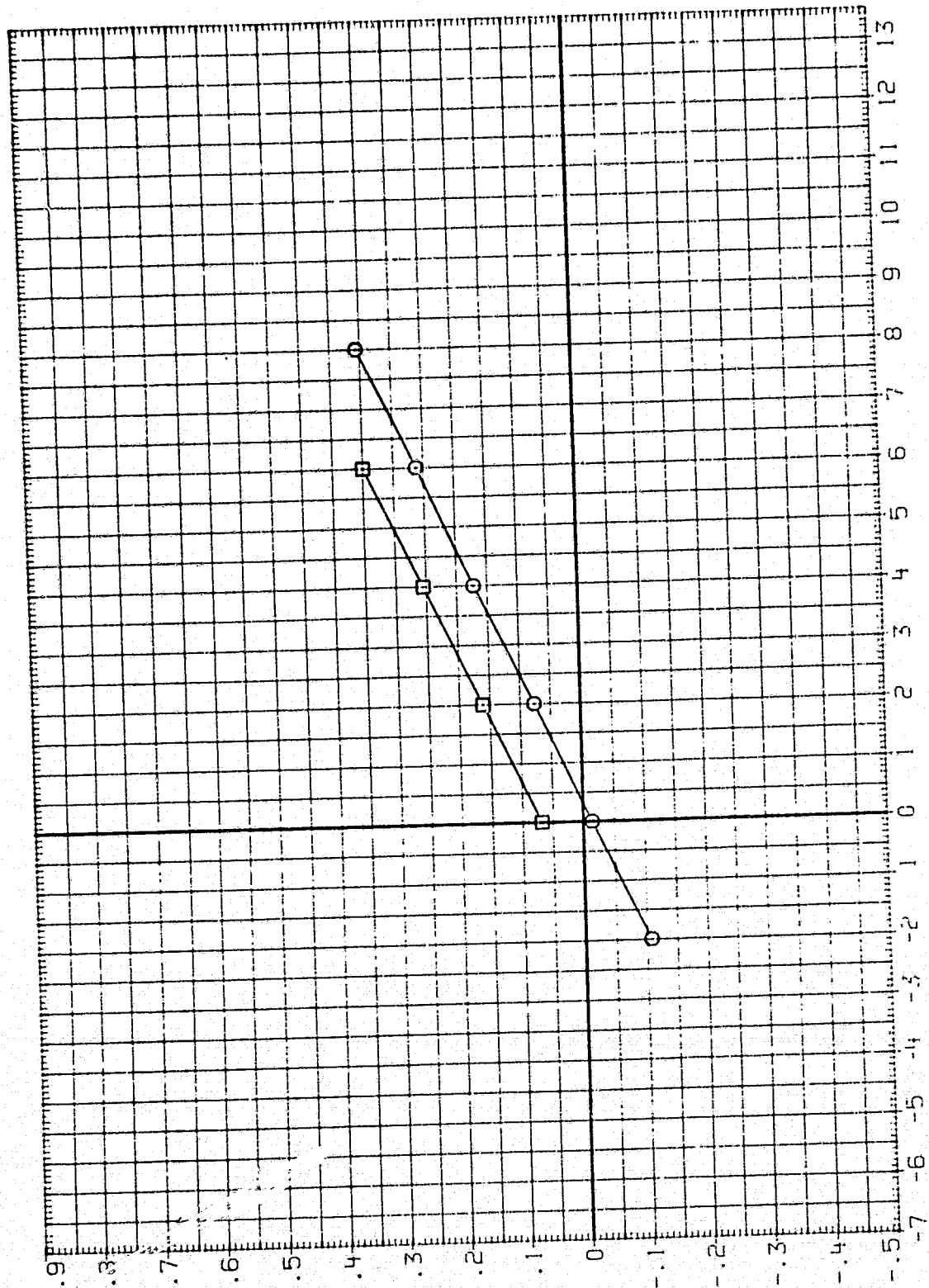


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(C) BETA = -3.00

DATA SET SYMBOL

AFPF01
AFPF05



CONFIGURATION

0A163B B68C12G20M16N28M127E5F 10V8P5X911
0A163B B68C12G20M16N28M127E5F 10V8P5X911

THETAN	PHI-N	THETML	THEMPR	PHI-ML	PHI-MR	ELV-L	BDFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000

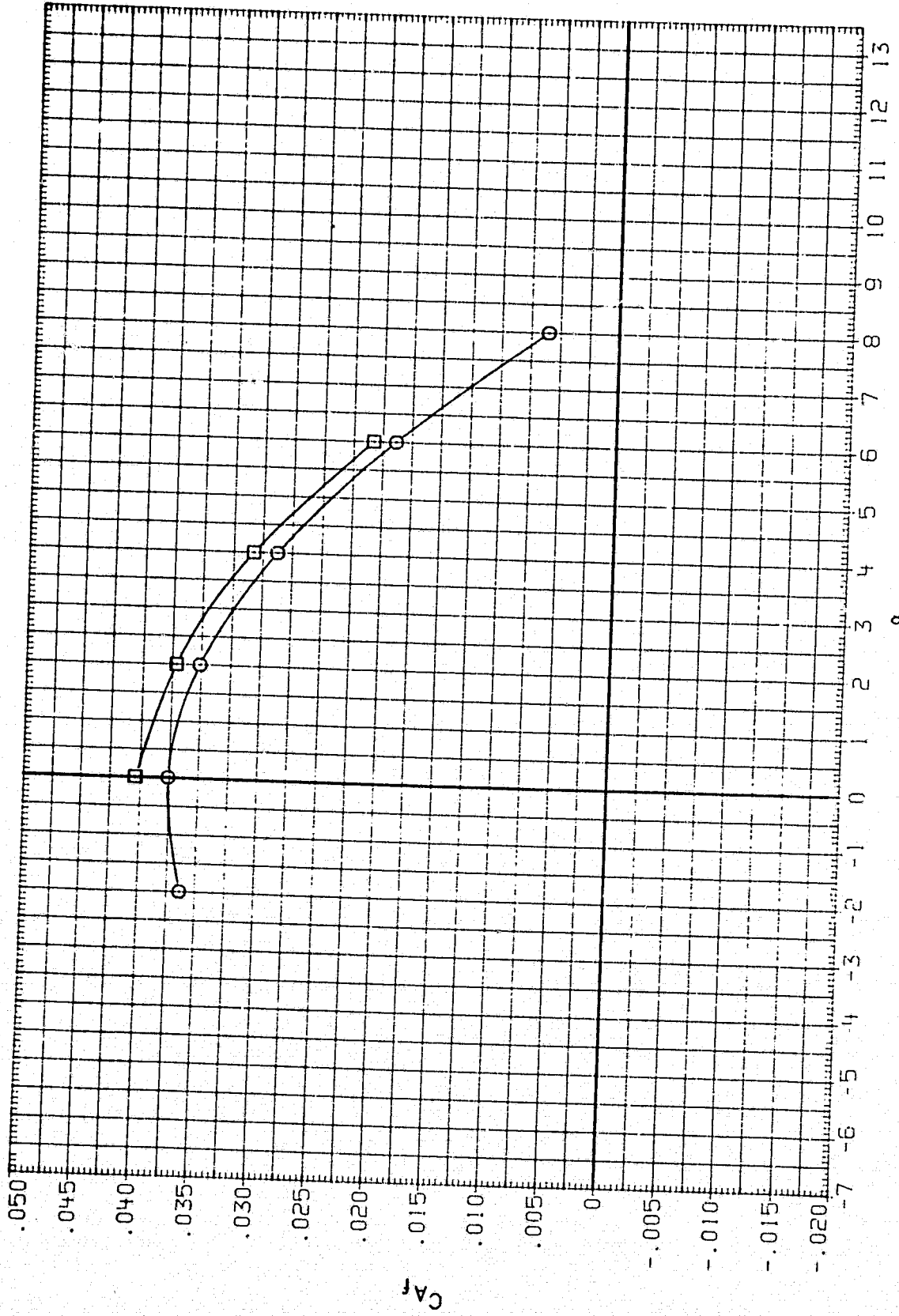


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(C)BETA = -3.00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV -L	BOFLAP
AFPF01	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

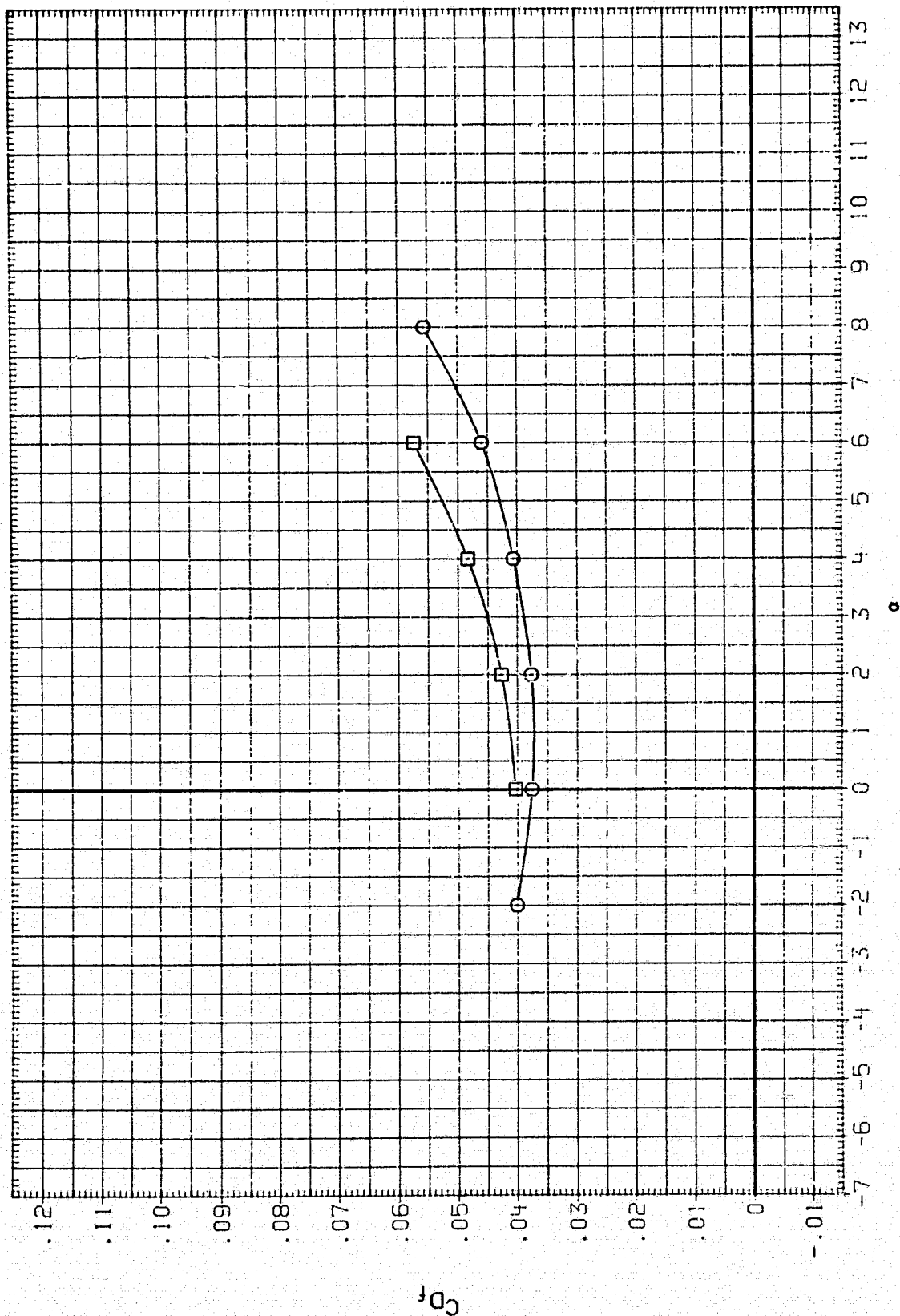


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(C) BETA = -3.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0	0A163B	B69C1262CM16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A163B	B69C1262DM16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

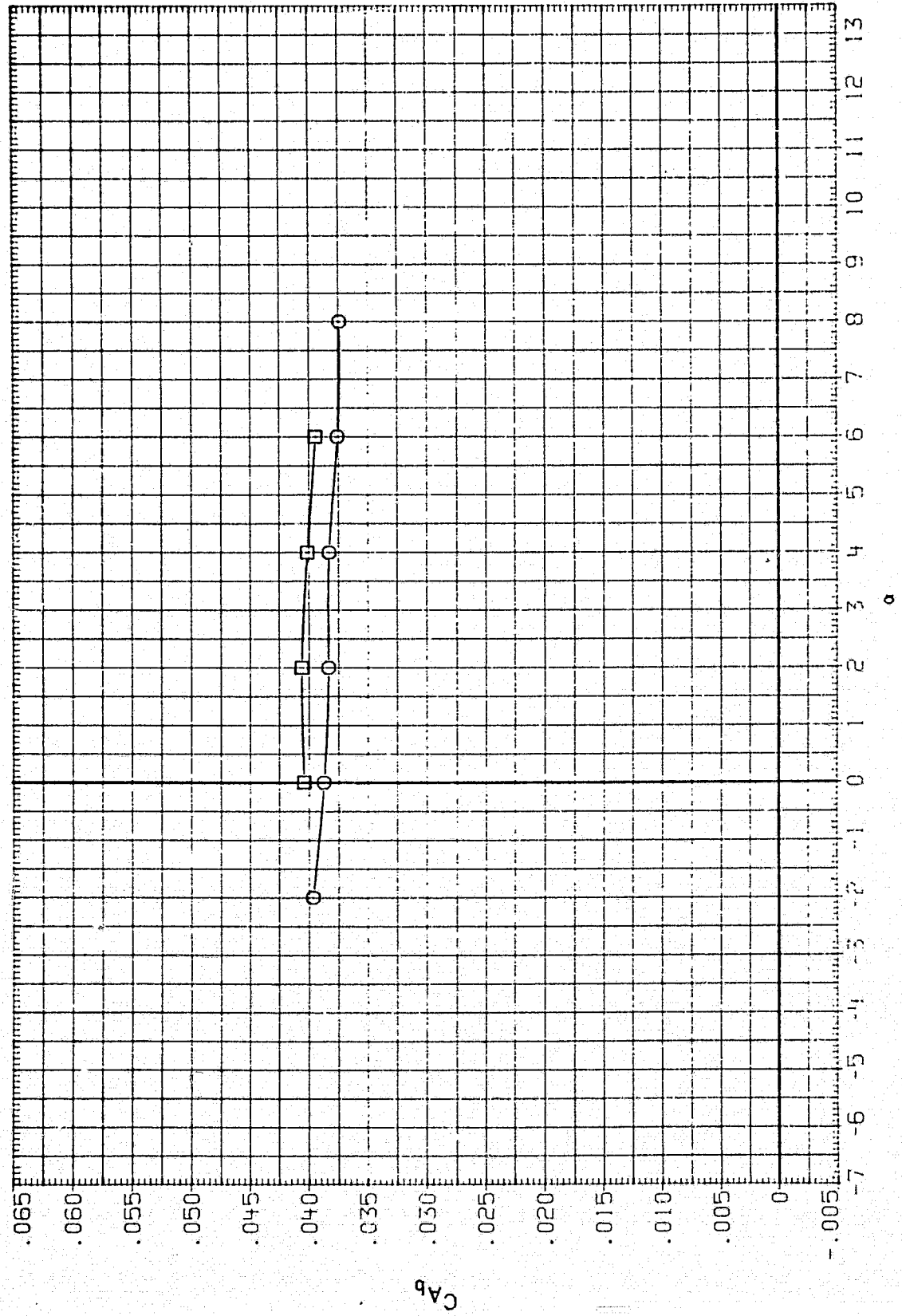


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-MR	ELV-L	BDFLAP
AFPF01	0	0A1638	B68C12020M161284127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	.000	
AFPF05	□	0A1638	B68C12020M161284127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	5.000	.000

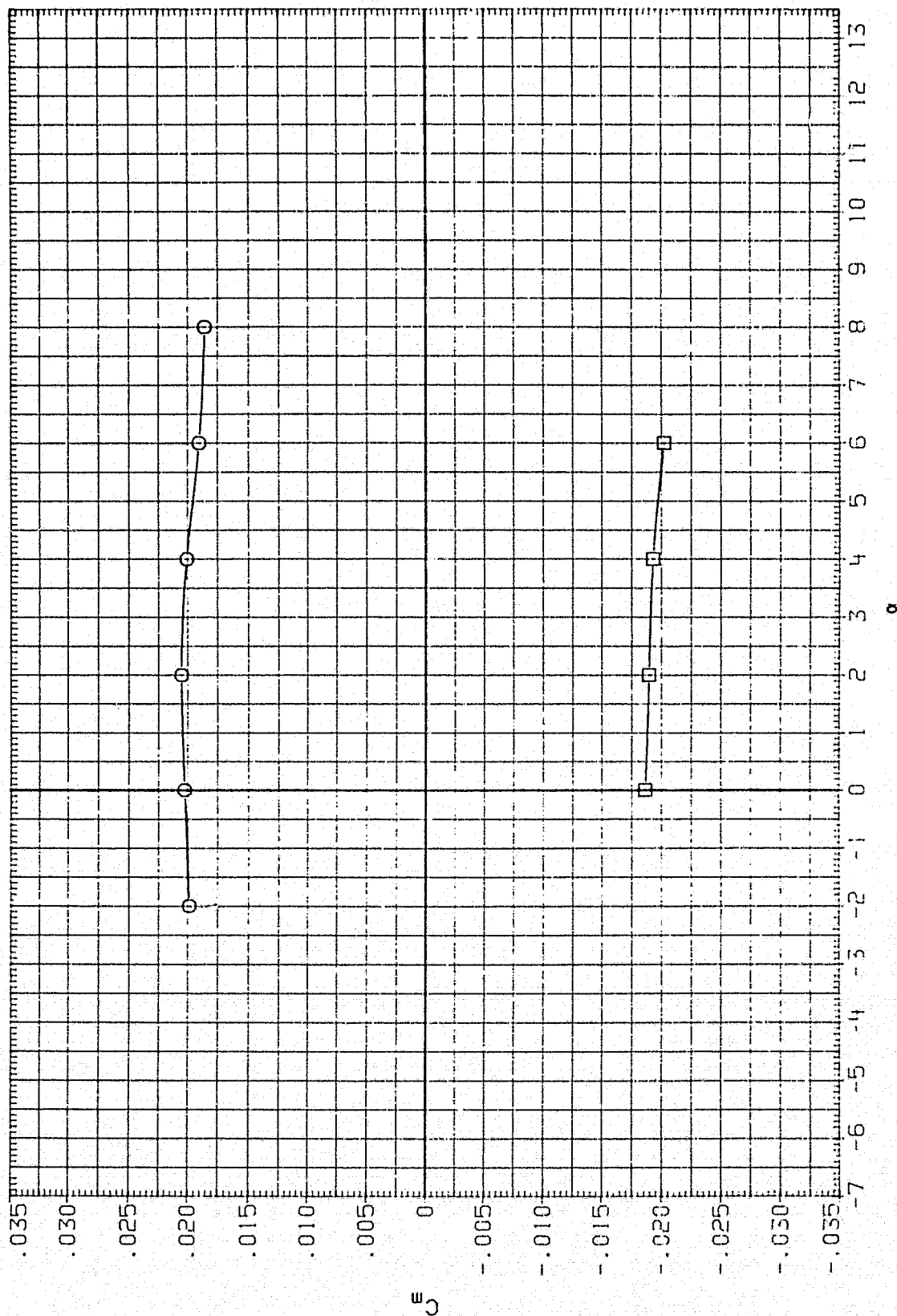


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

CO'BETA = -3.00

BDCLAP
.000
.000

ELV-L
.000
5.000

PHI-MR
32.200
32.200

PHI-ML
32.200
32.200

THETMR
5.000
5.000

THETML
5.000
5.000

PHI-N
30.800
30.800

THETAN
5.000
5.000

DATA SET SYMBOL
AFFP01
AFFP05

CONF IGURATION

0A163B 868C12G20M16N20K127E5F 10V85X911
0A163B 868C12G20M16N20K127E5F 10V85X911

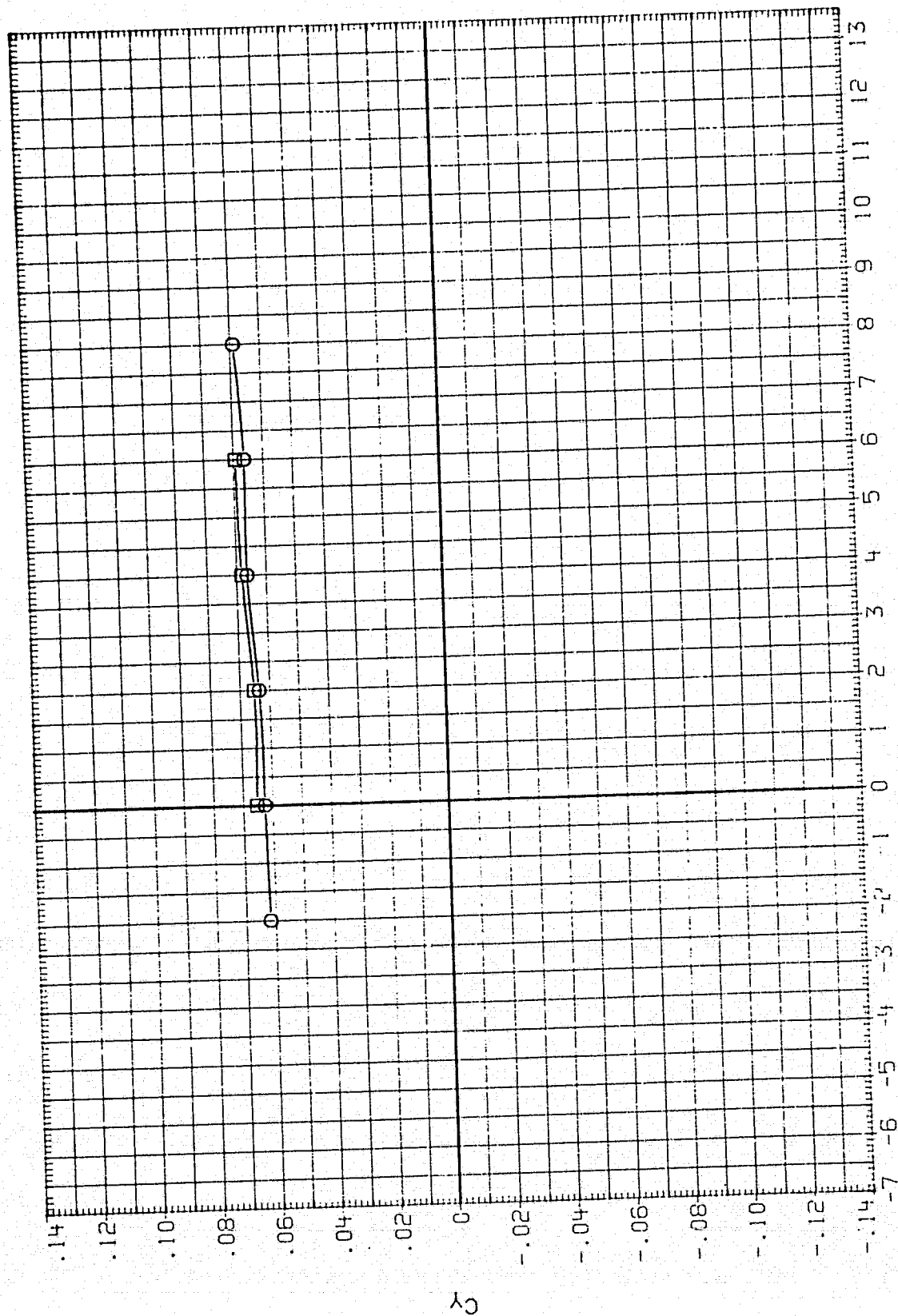


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(C)BETA = -3.00

DATA SET SYMBOL CONFIGURATION THETA PHI-N THETA-M THETA-R PHI-ML PHI-MR ELV-L BOFLAP

0A1638 B58C12G20M16N28M127E5F10V8R5X911
 0A1638 B58C12G20M16N28M127E5F10V8R5X911

AFPC01
 AFPC5

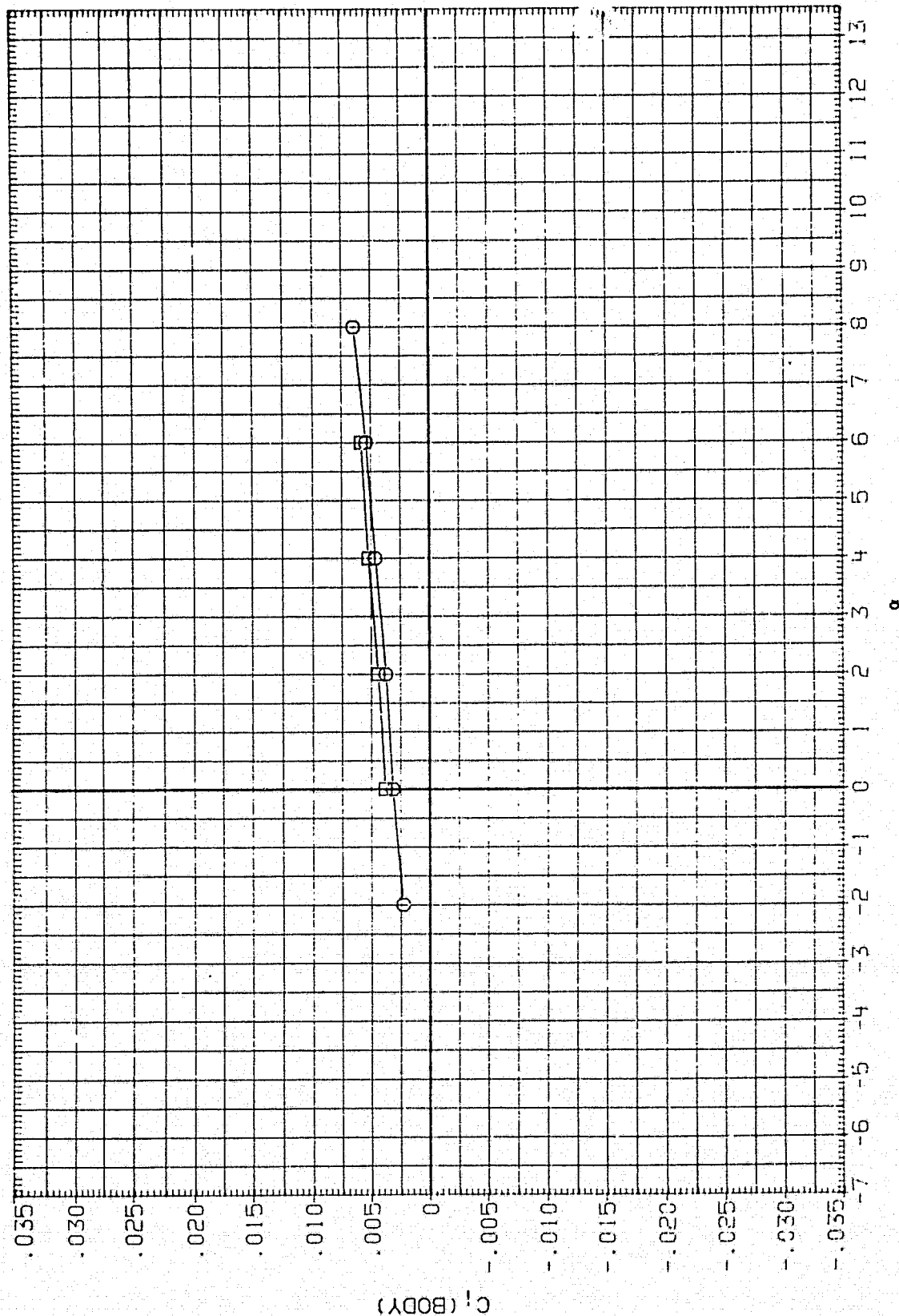


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(C) BETA = -3.00

DATA SET SYMBOL
 AFF01
 AFF05

CONFIGURATION

0A1638 B68C12C20M16N28W127E5F10V8P5X911
 0A1638 B68C12C20M16N28W127E5F10V8P5X911

THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

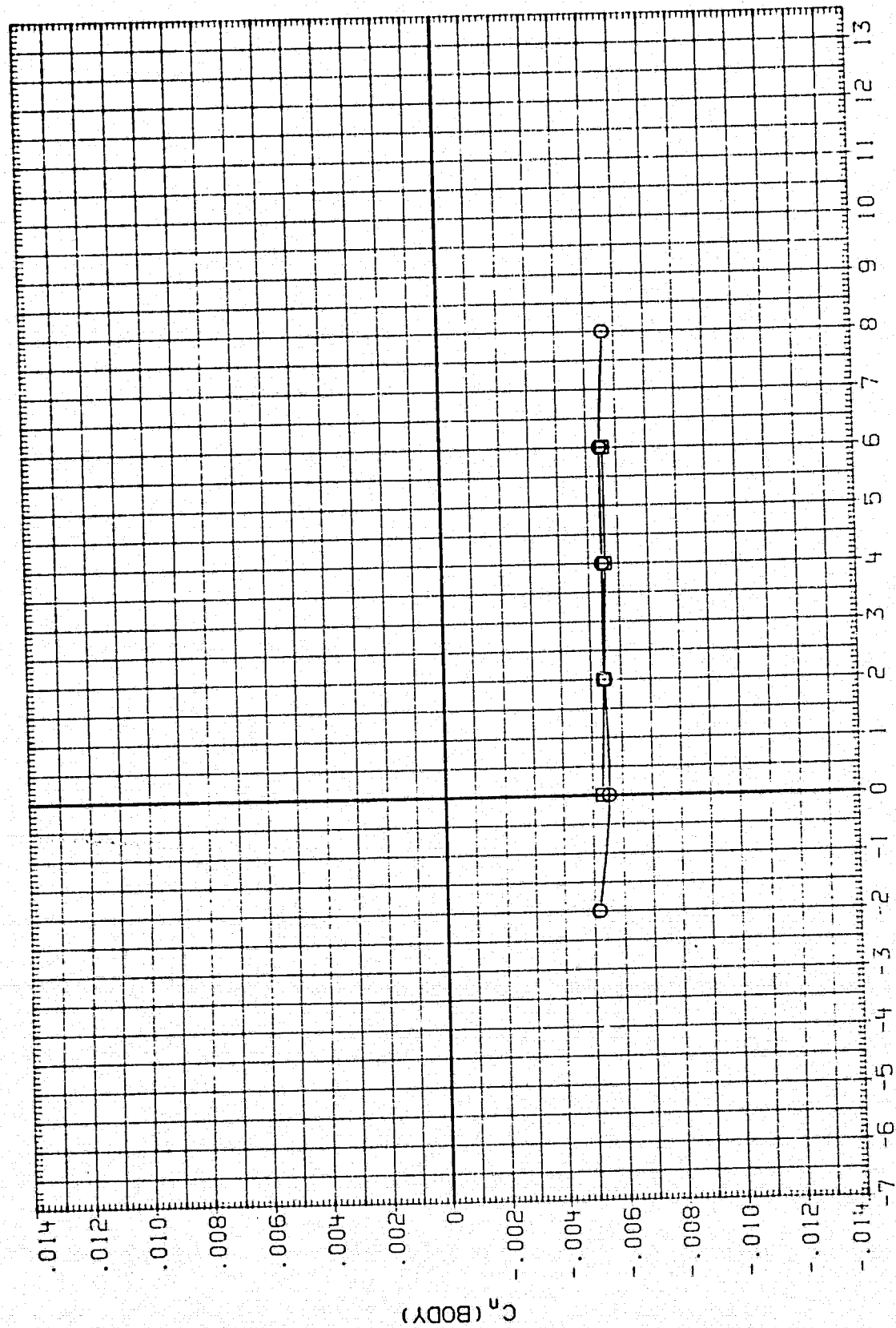


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(C) BETA = -3.00

DATA SET SYMBOL

APPF01
APPF05

CONFIGURATION

0A163B 868C12020M16N28H127E5F 10V8R5X911
0A163B 868C12020M16N28H127E5F 10V8R5X911

THETAN
5.000
5.000

PHI-N
30.800
30.800

THETML
5.000
5.000

PHI-ML
32.200
32.200

THEYR
5.000
5.000

ELV-L
.000
5.000

BDFLAP
.000
.000

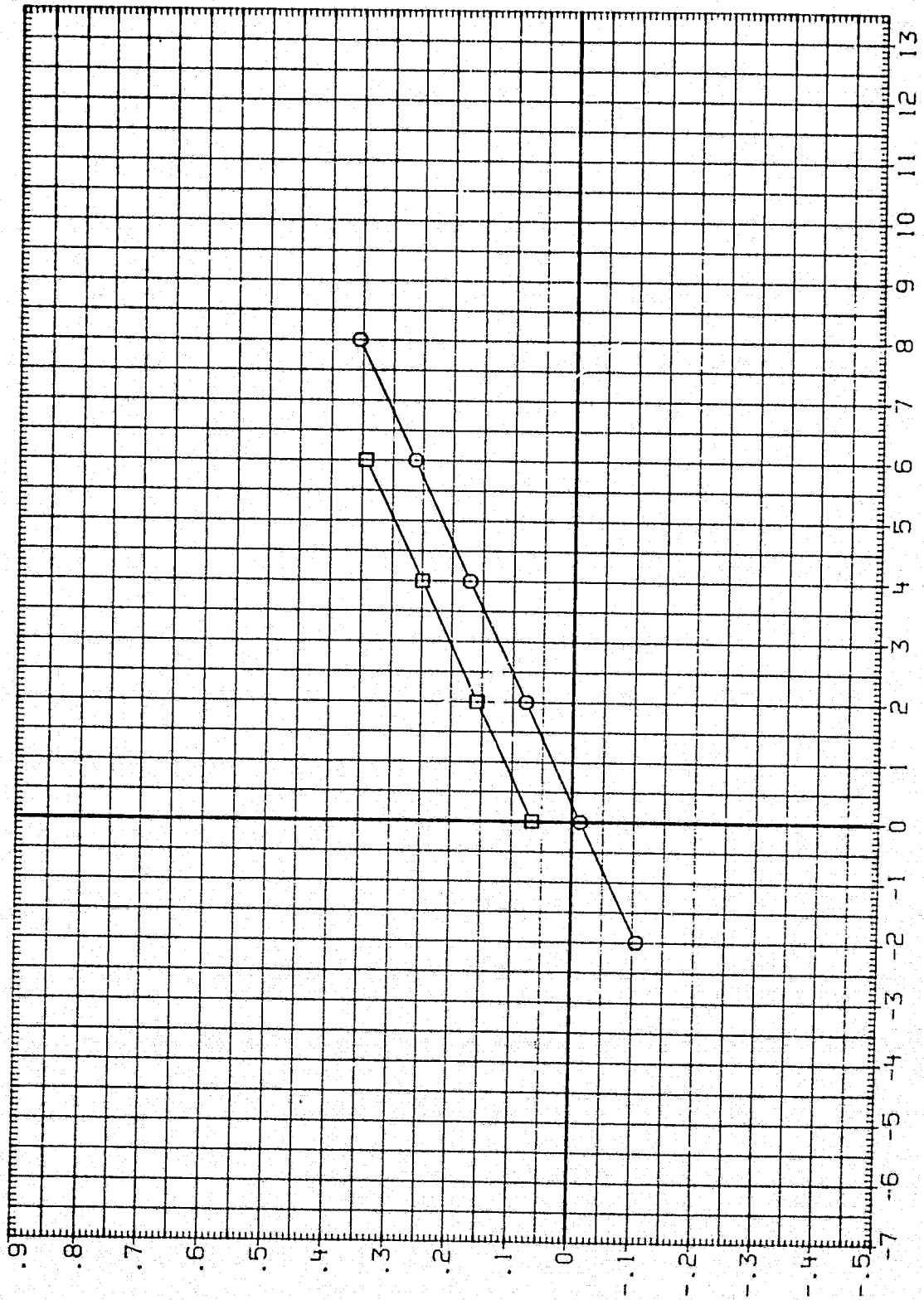


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(D)BETA = -2.00

DATA SET SYMBOL

APF01
APF05

CONFIGURATION

OA163B B68C12G20M16N28M127E5F10V8R5X911
OA163B B68C12G20M16N28M127E5F10V8R5X911

THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

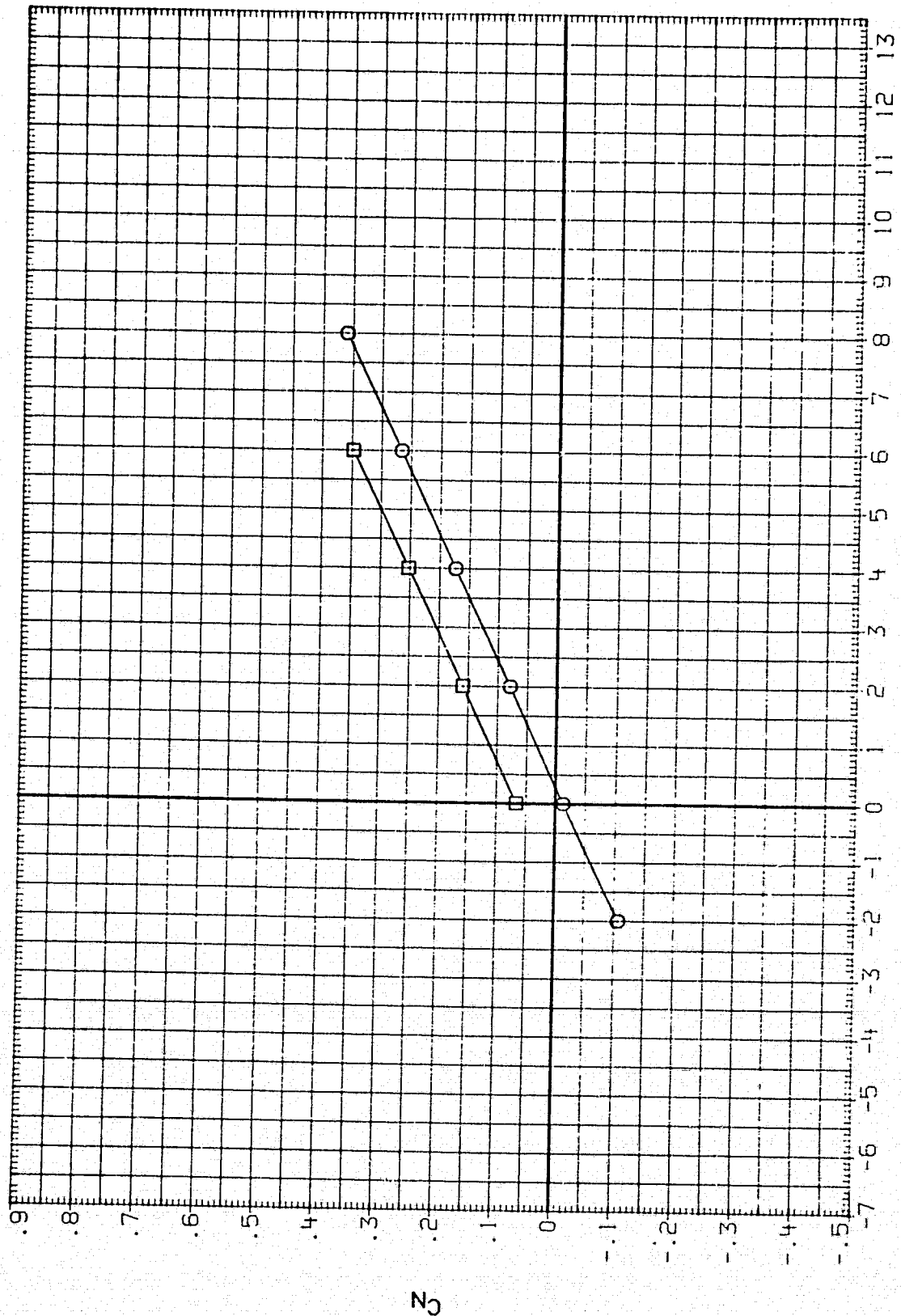


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(D) BETA = -2.00

DATA SET SYMBOL

AFPF01
AFPF05

CONFIGURATION

0A163B 868C12G20M16N2B4127E5F10V8R5X911
0A163B 868C12G20M16N2B4127E5F10V8R5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000

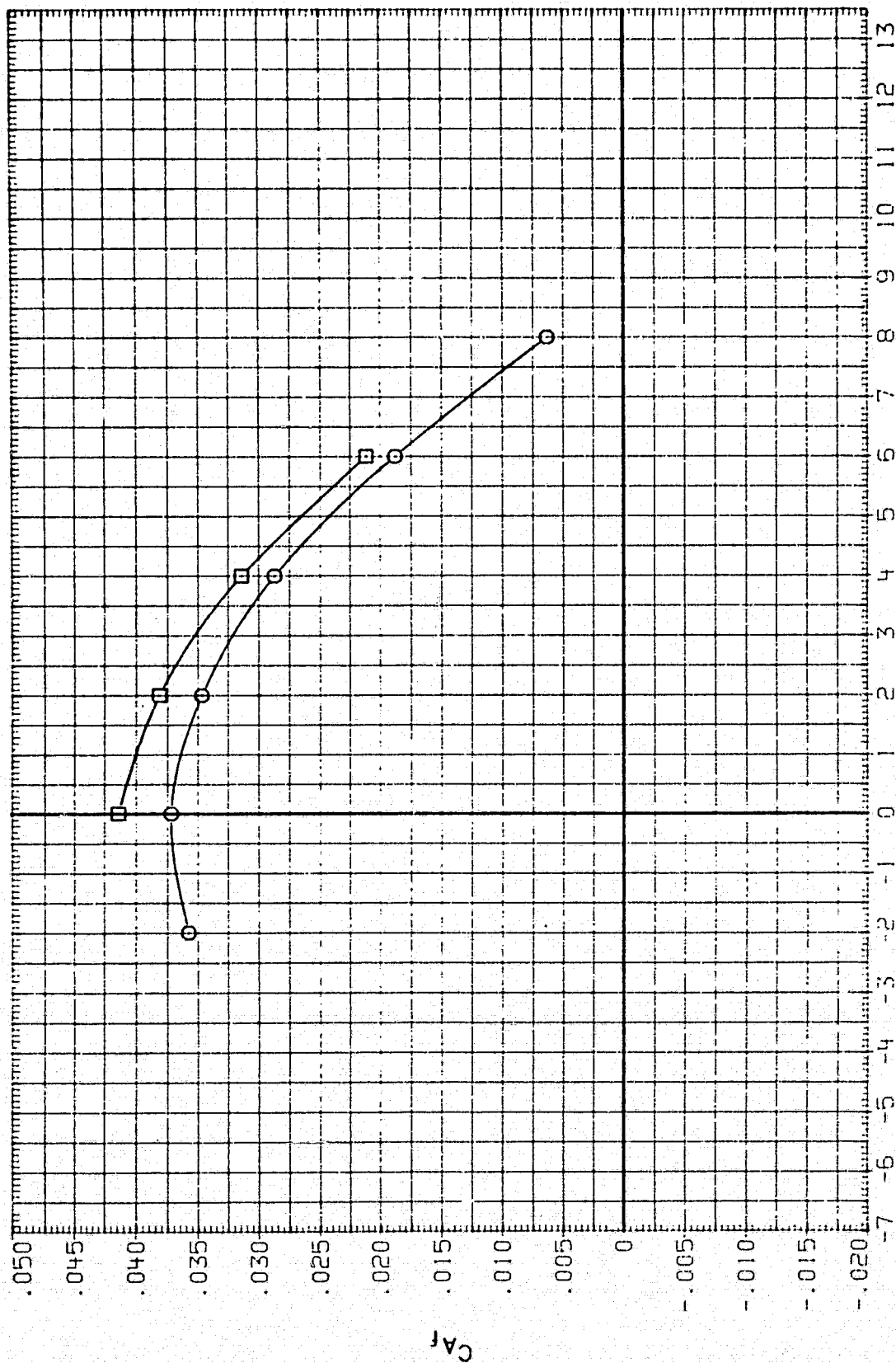


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(C'BETA = -2.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THEIML	THETMR	PHI-ML	PHI-MR	ELV-'	BDFLAP
AFPF01	○	0A163B	B68C12G20H16N28W127E5F10Y8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A163B	B68C12G20H16N28W127E5F10Y8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

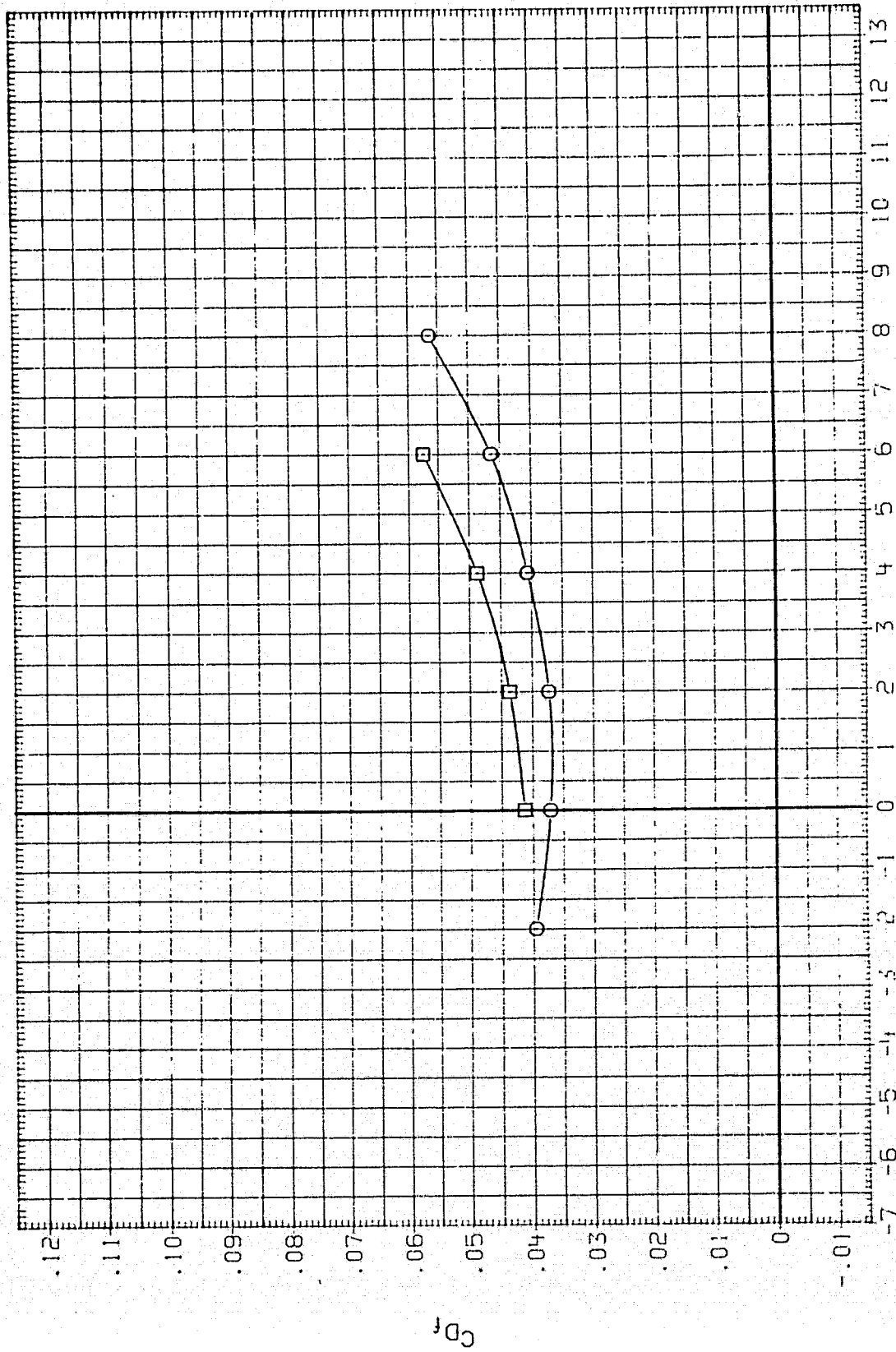


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(C) BETA = -2.00

DATA SET SYMBOL CONF IGURATION THE TAN PHI -N THE TML THE THR PHI -ML PHI -MR ELV -L BOFLAP

OA163B B68C12G20M16N28M127E5F10V8R5X911
 OA163B B68C12G20M16N28M127E5F10V8R5X911

APF01 ☐
 APF05 ☐

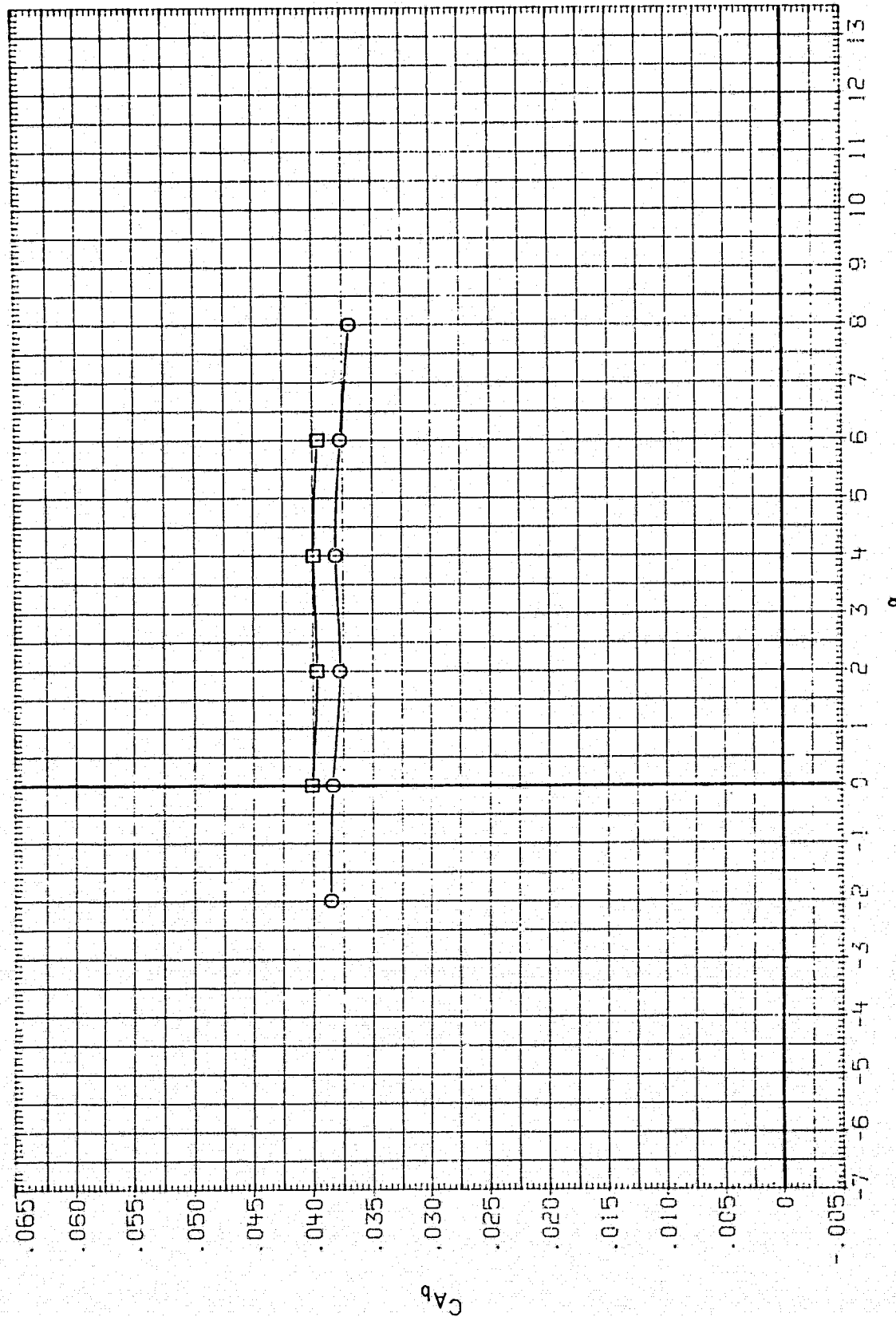


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(O) BETA = -2.00

DATA SET SYMBOL		CONFIGURATION		THETA	PHI-N	THETA-M	THETA-R	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0	0A163B	B68C12620M16N28W127E5F10VRP5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	□	0A163B	B68C12620M16N28W127E5F10VRP5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	

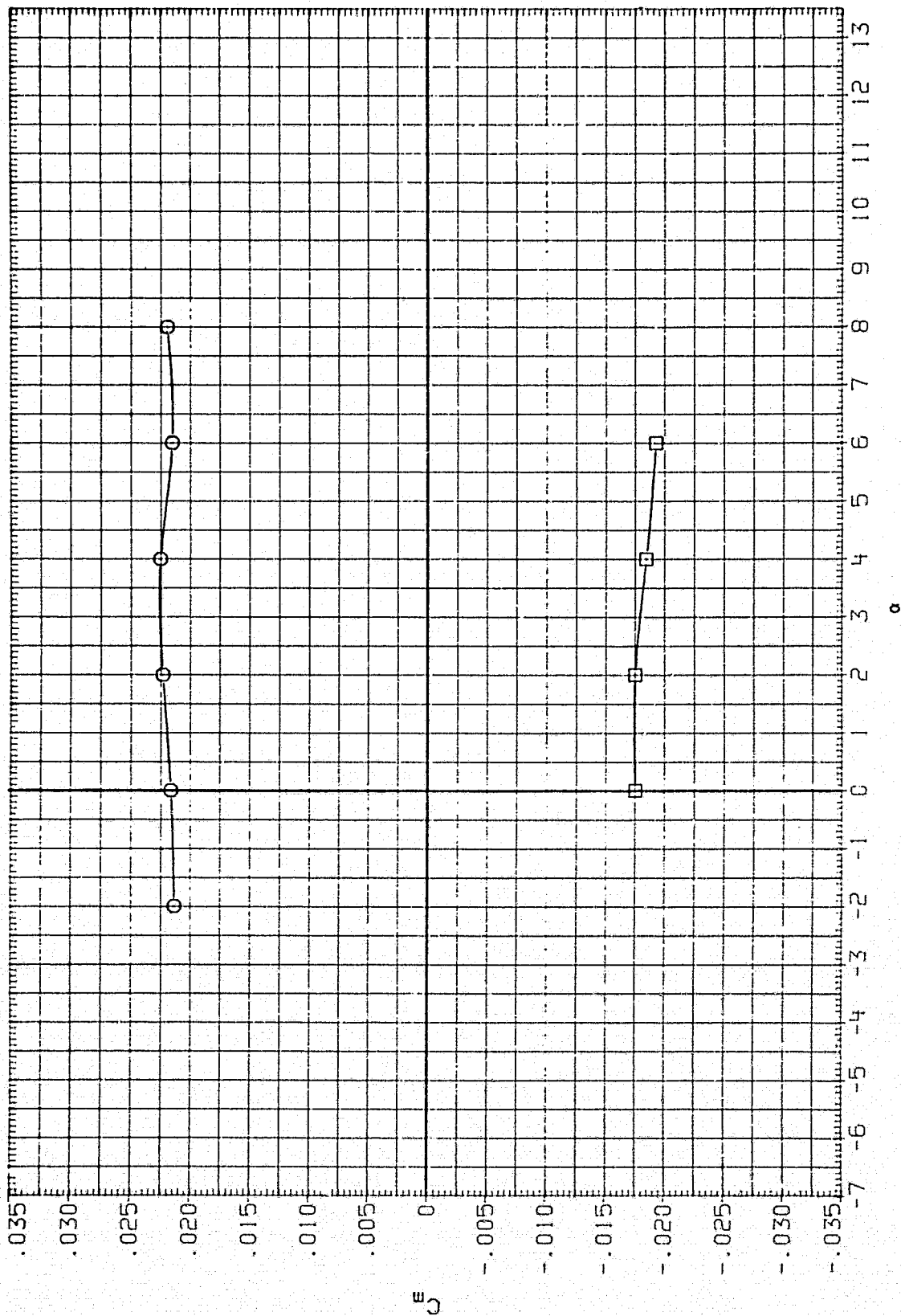


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL

AFPP01
AFPP05

CONFIGURATION

OA163B 968C12G20M16N28H127E5F 10Y8R5X911
OA163B 968C12G20M16N28H127E5F 10Y8R5X911

THETAN PHI-N THETML THETMPR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000
5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000

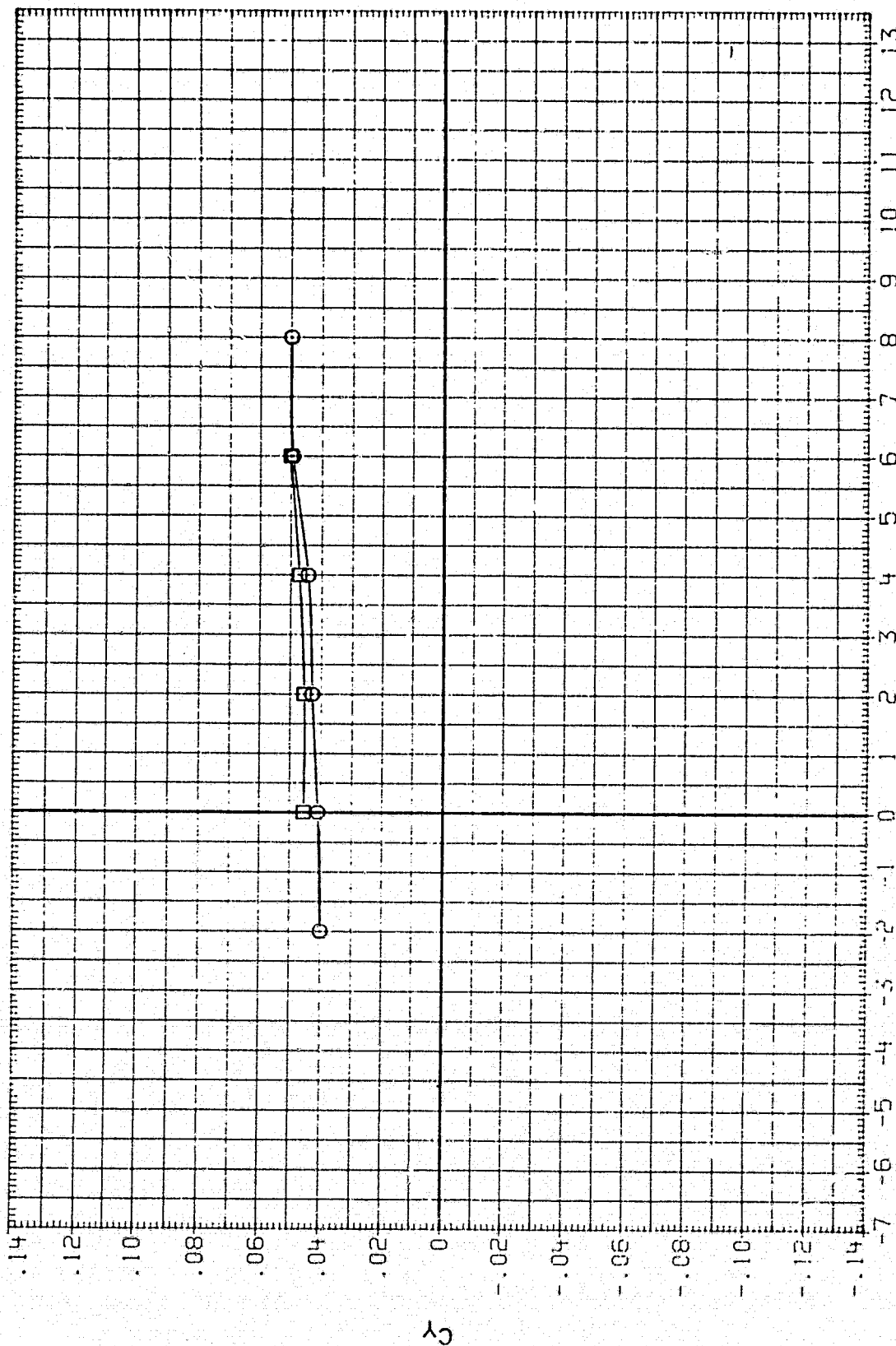


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(O) BETA = -2.00

DATA SET SYMBOL		CONFIGURATION		THE TAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	○	0A163B	B58C12G20M16N28N127E5F1078R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A163B	B58C12G20M16N28N127E5F1078R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

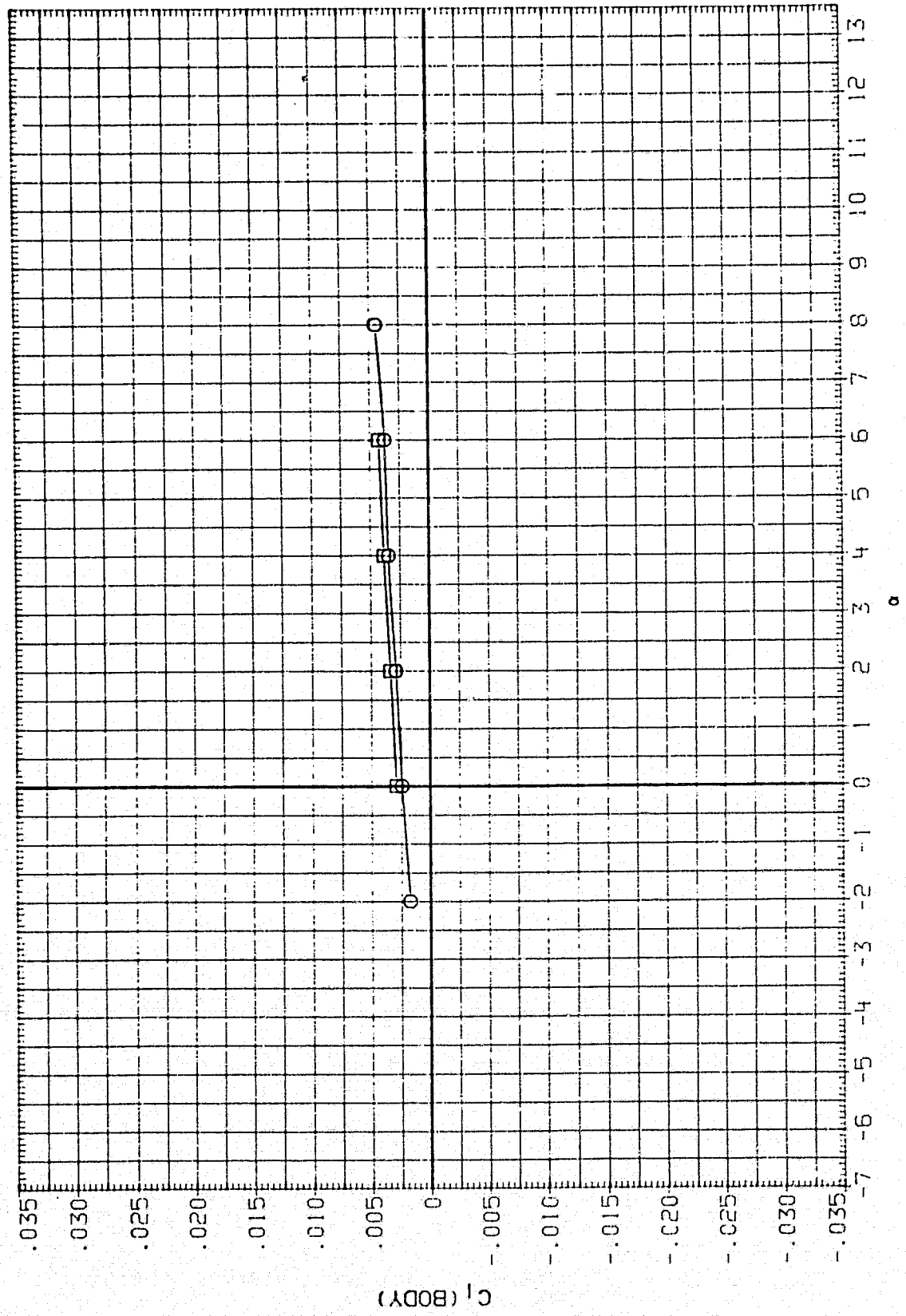


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(D'BETA = -2.00

DATA SET SYMBOL	CONF: CURATION	PHI-N	THE TAN	PHI-ML	THE TMR	ELV-L	BOFLAP
AFPF01	0A163B B68C12G20M16N28N127E5F10V8R5X911	30.800	5.000	32.200	5.000	.000	.000
AFPF05	0A163B B68C12G20M16N28N127E5F10V8R5X911	30.800	5.000	32.200	5.000	.000	.000

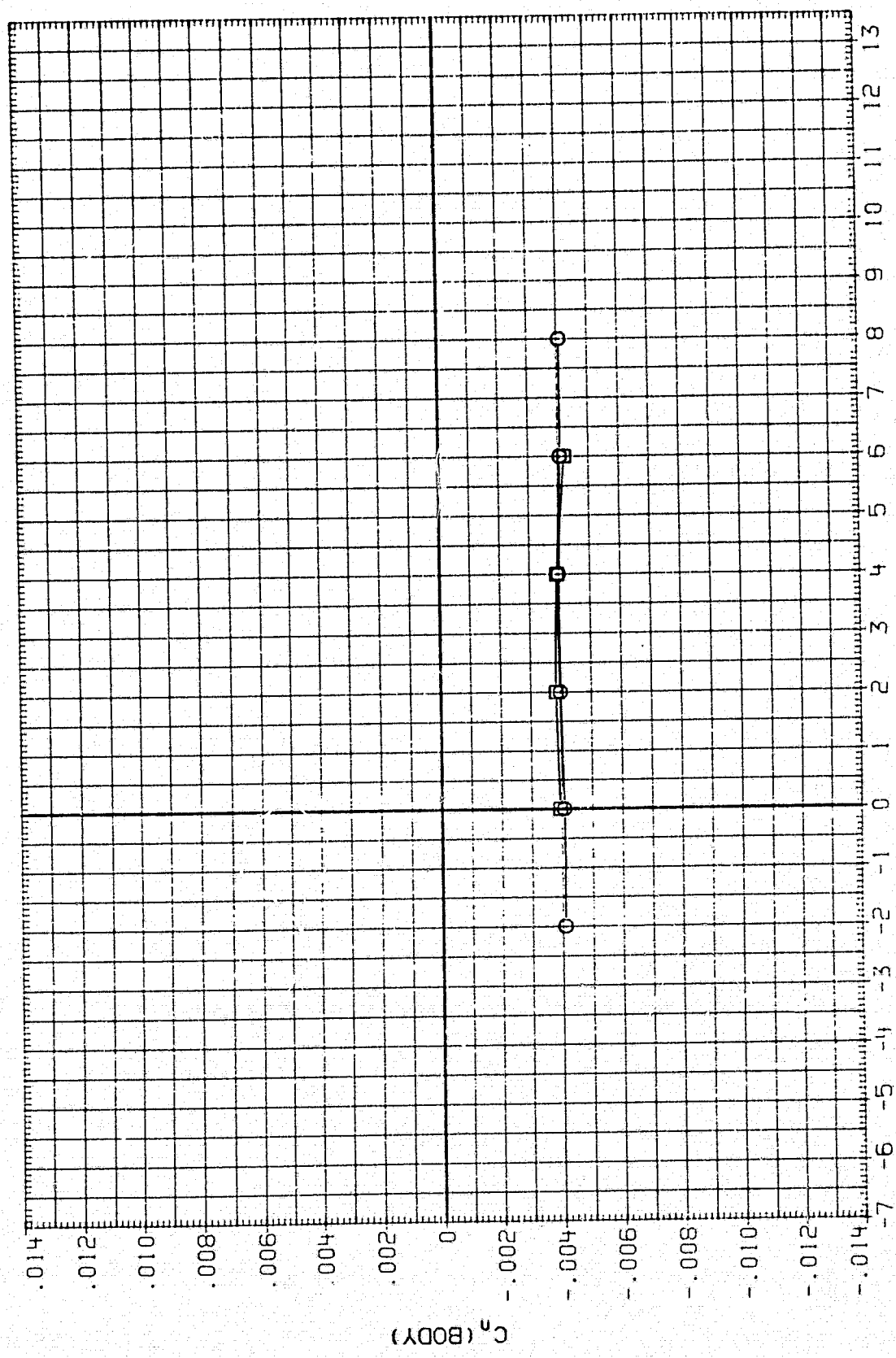


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(D) BETA = -2.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THEML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
APFF01	0A163B B68C12G20M16N28W127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
APFF05	0A163B B68C12G20M16N28W127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	

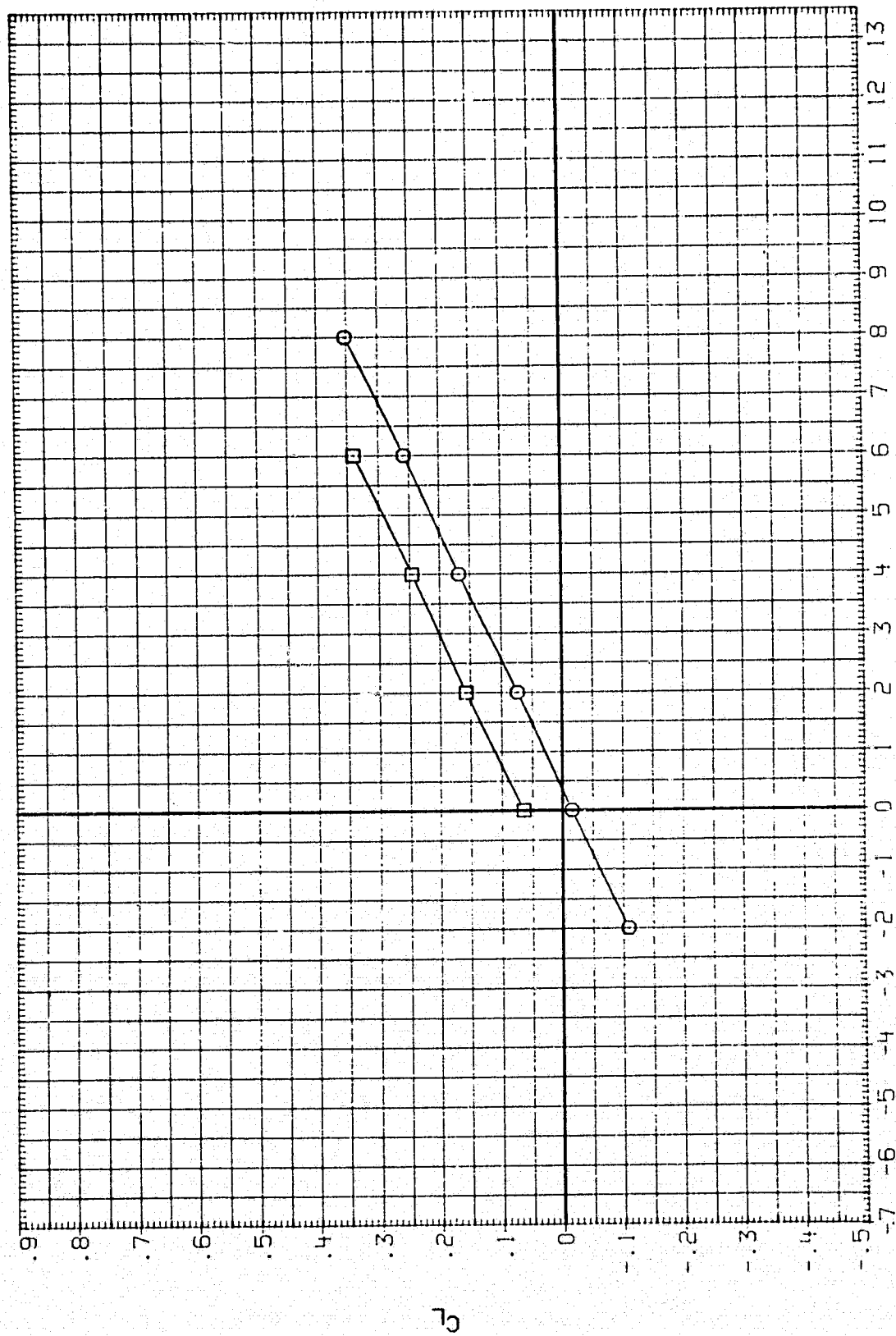


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF 01	0A163B 858C12G20M16128M12715F1078R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF 05	0A163B 858C12G20M16128M12715F1078R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	

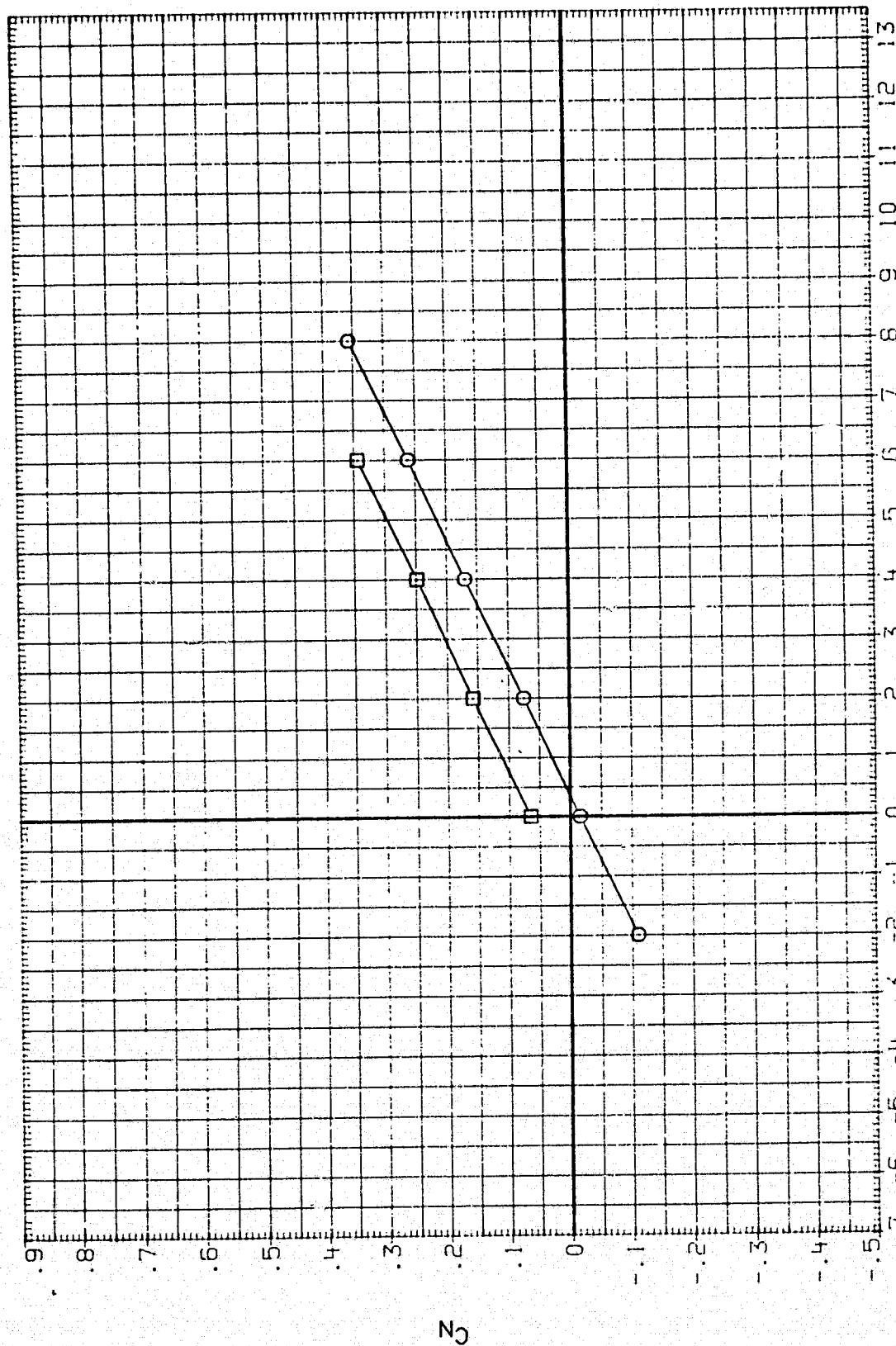


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA - -1.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
0A163B	B68C12G20M16A28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
0A163B	B68C12G20M16A28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000

DATA SET SYMBOL
 AFF01
 AFF05

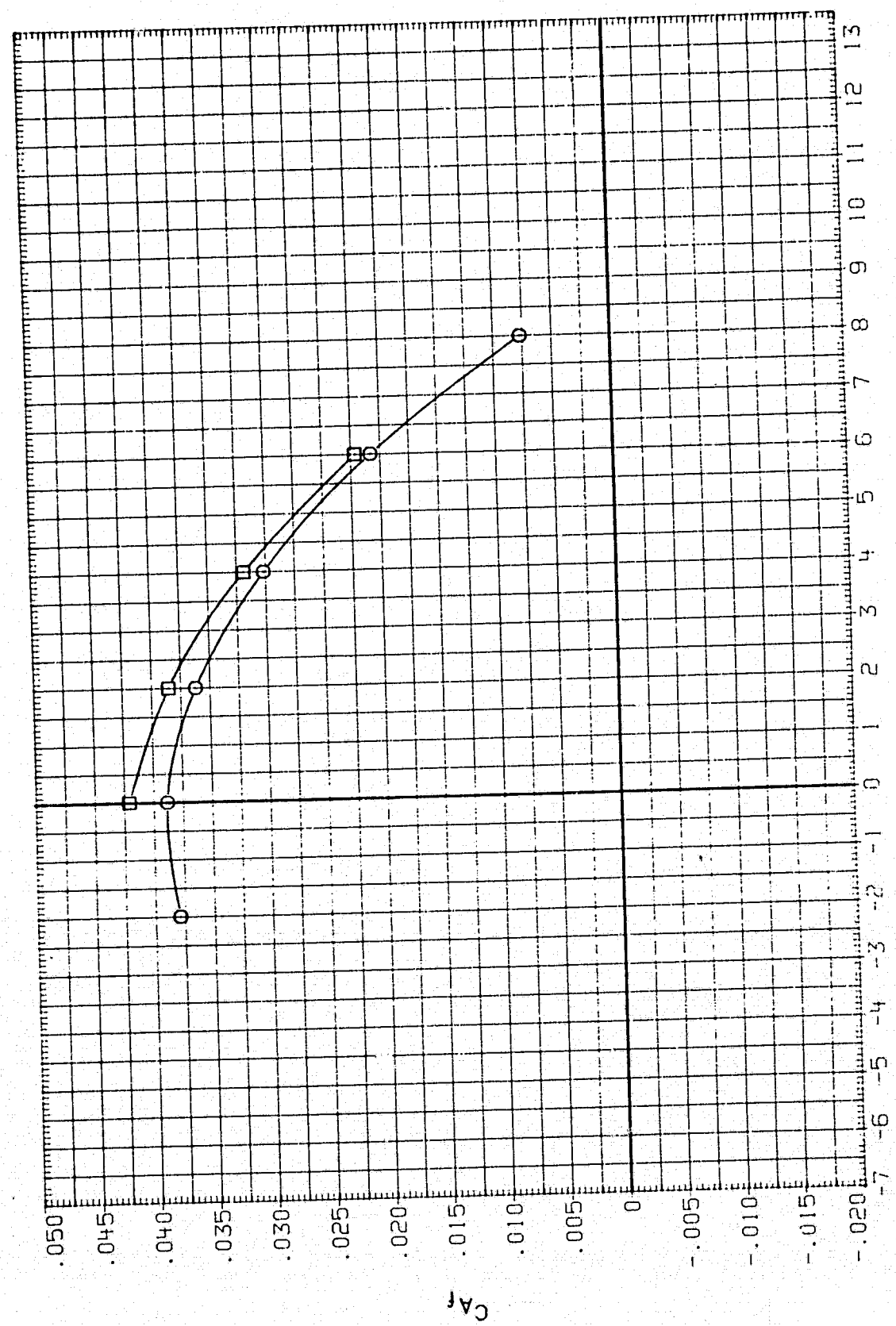


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL
AFFFO1
AFFFO5

CONFIGURATION

0A1638 B68C12620M16128M127E5F10V85X911
0A1638 B68C12620M16128M127E5F10V85X911

THETAN 5.000 5.000 5.000
PHI-N 30.800 30.800 32.200
THETML 5.000 5.000 5.000
PHI-ML 32.200 32.200 32.200
ELV-L 5.000 5.000 5.000
BDFLAP .000 .000 .000

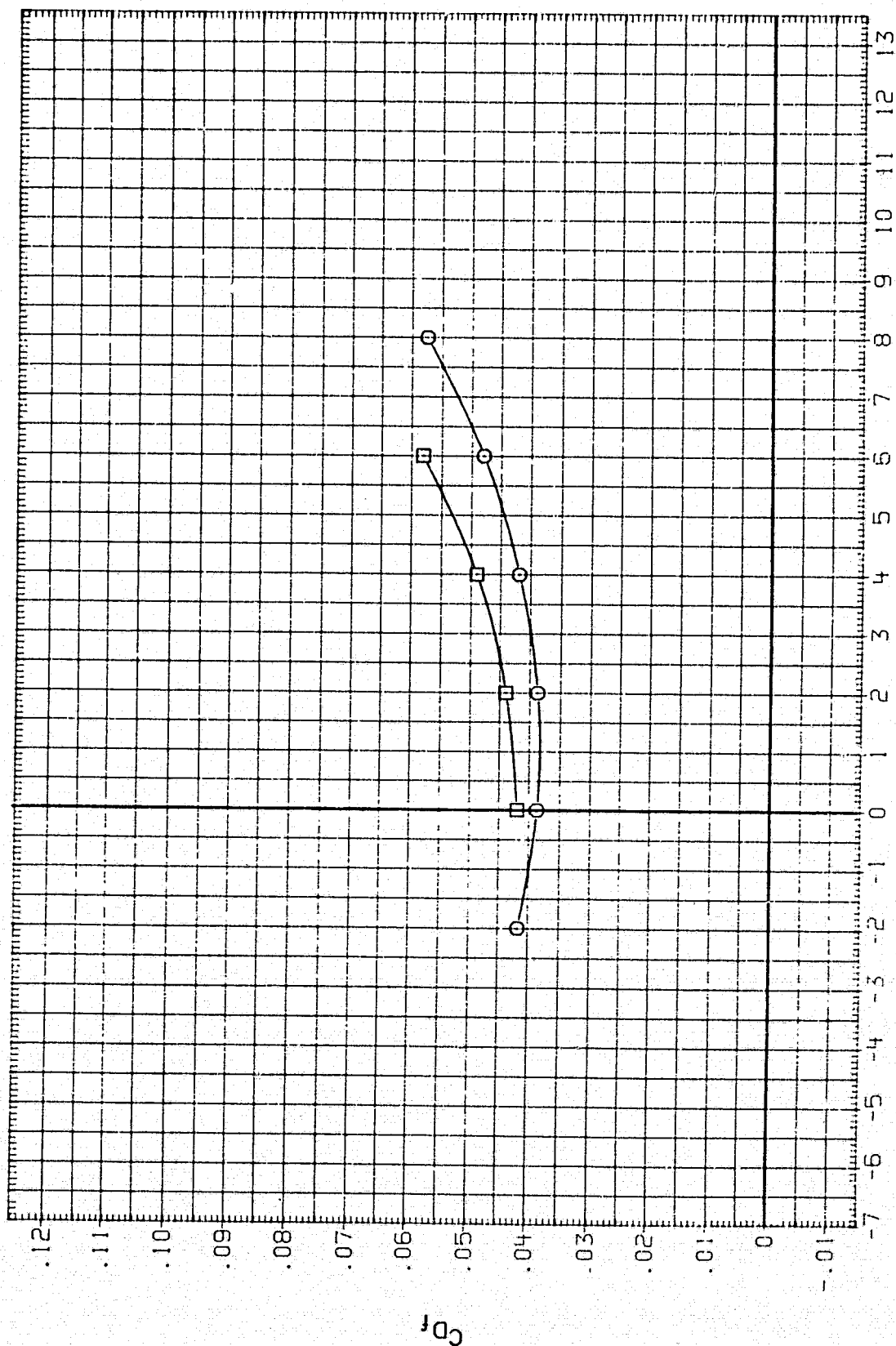


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV -L	BDF LAP
AFPF01	0A1638 B6BC12G2CM16128M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	0A1638 B6BC12G2CM16128M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

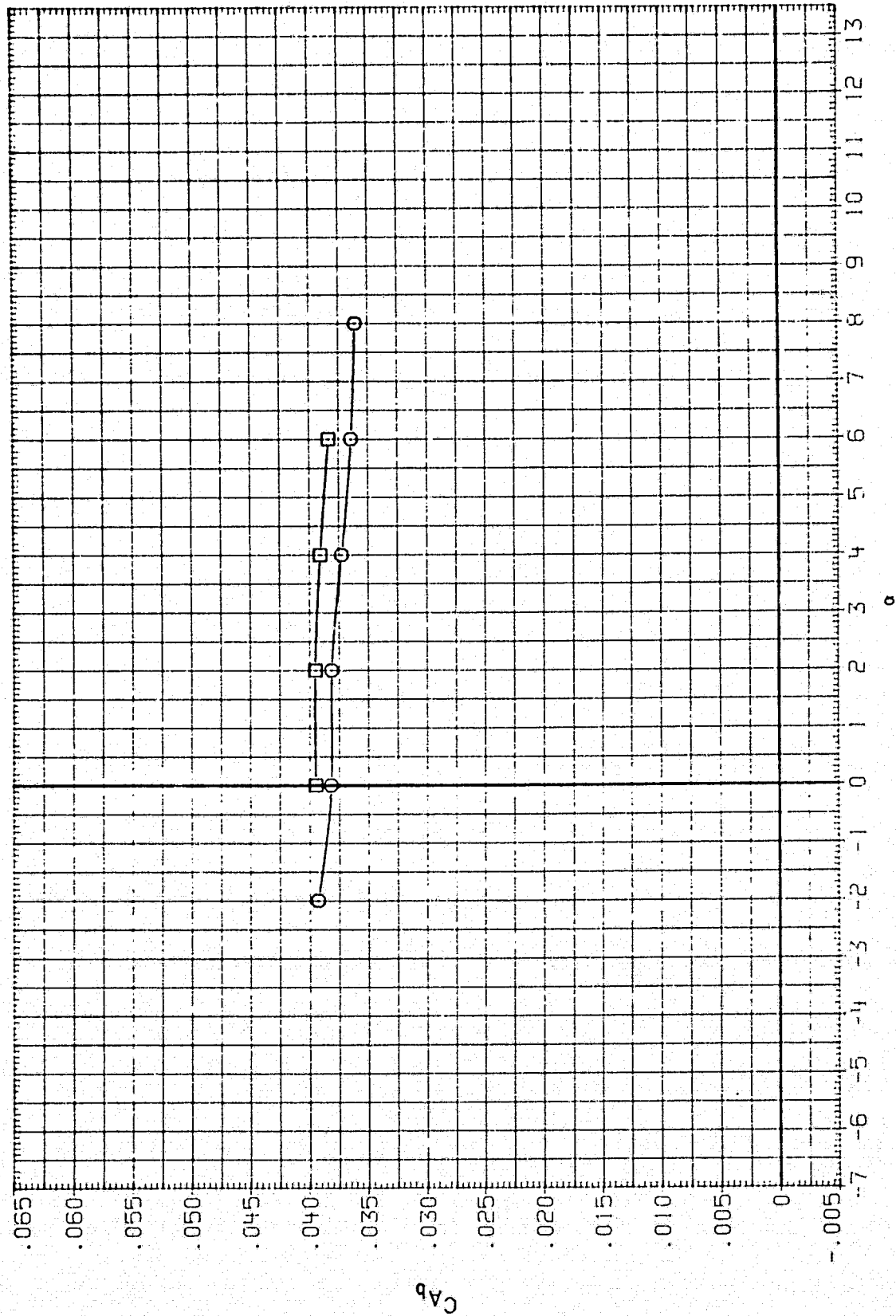


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONF IDURATION	PHI-N	THETAN	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
0A163B	B68C12620M16128H127E5F 10.48P5X911	30.800	5.000	5.000	5.000	32.200	32.200	.000	.000
0A163B	B68C12620M16128H127E5F 10.48P5X911	30.800	5.000	5.000	5.000	32.200	32.200	.000	.000

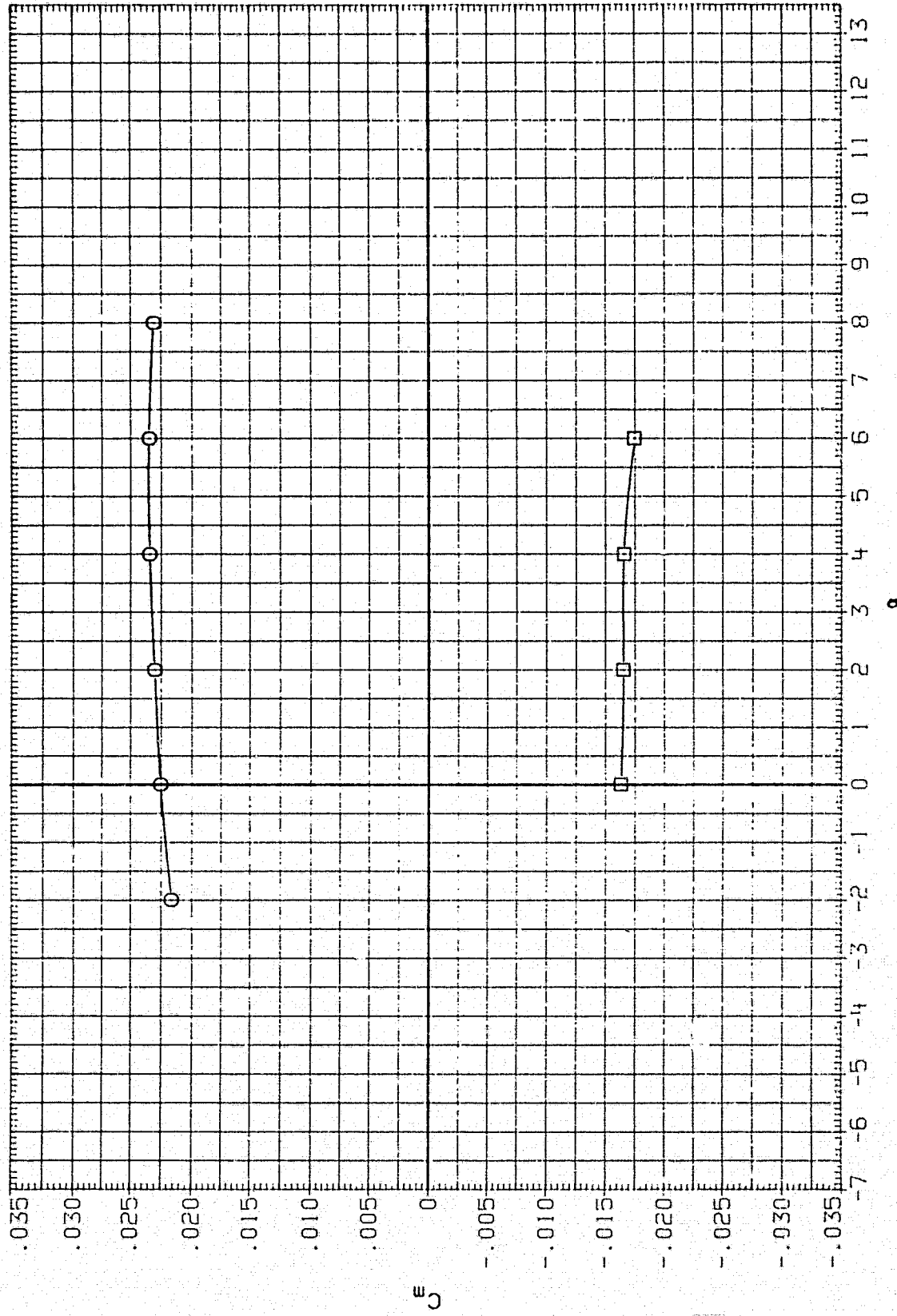


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	○	0A163B	B68C12G20M16N28M127E5F10Y8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A163B	B68C12G20M16N28M127E5F10Y8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

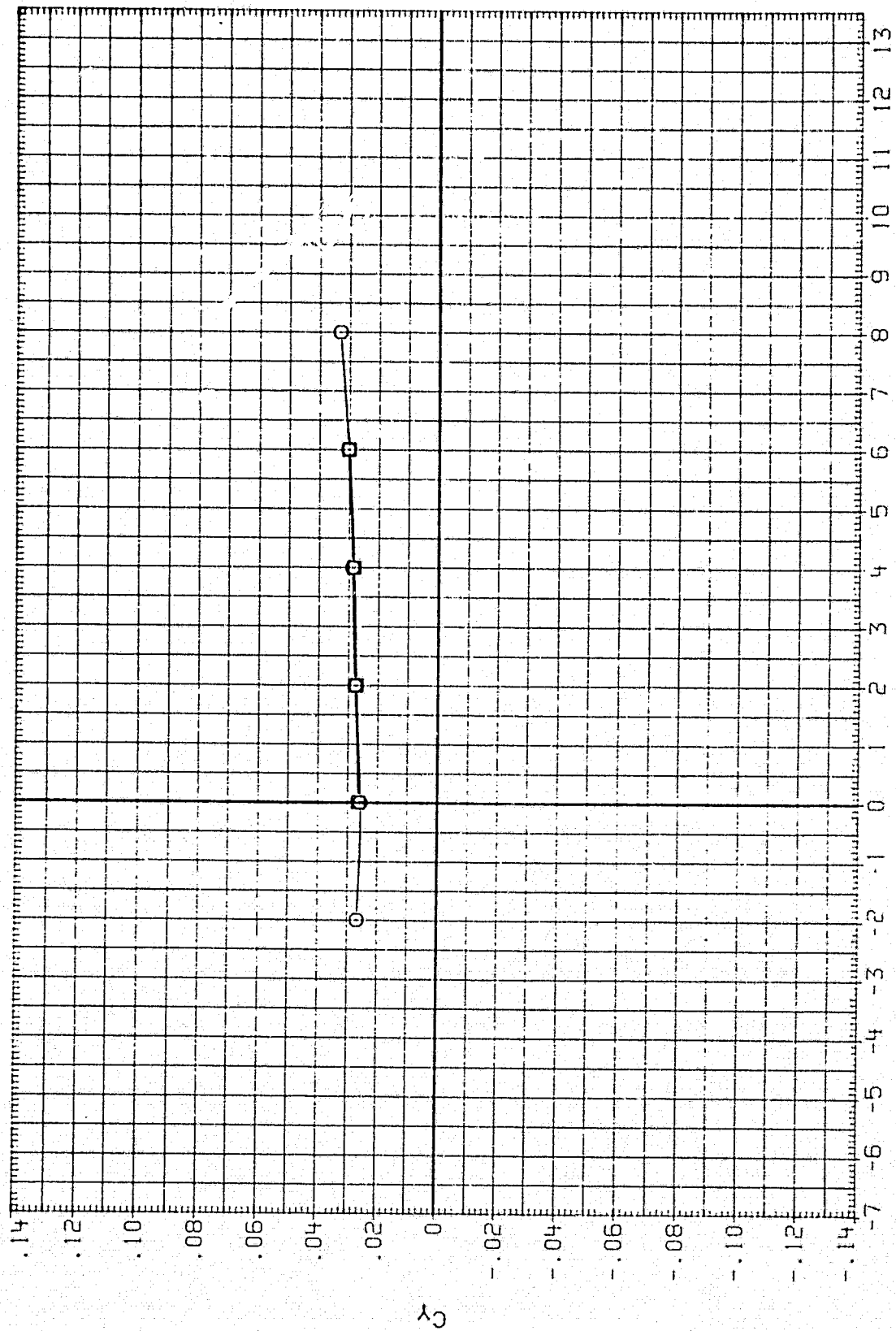


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET	SYMBOL	CO-ORDINATION	HEAT OF FORMATION	FREE EN- THALPY	FREE EN- THALPY	ENTROPY	HEAT OF FUSION
APF01	□	B5BC12G20M16N28M127E5F10V8R5X911	5.000	5.000	32.200	32.200	32.200
APF05	□	B6BC12G20M16N28M127E5F10V8R5X911	5.000	5.000	32.200	32.200	32.200

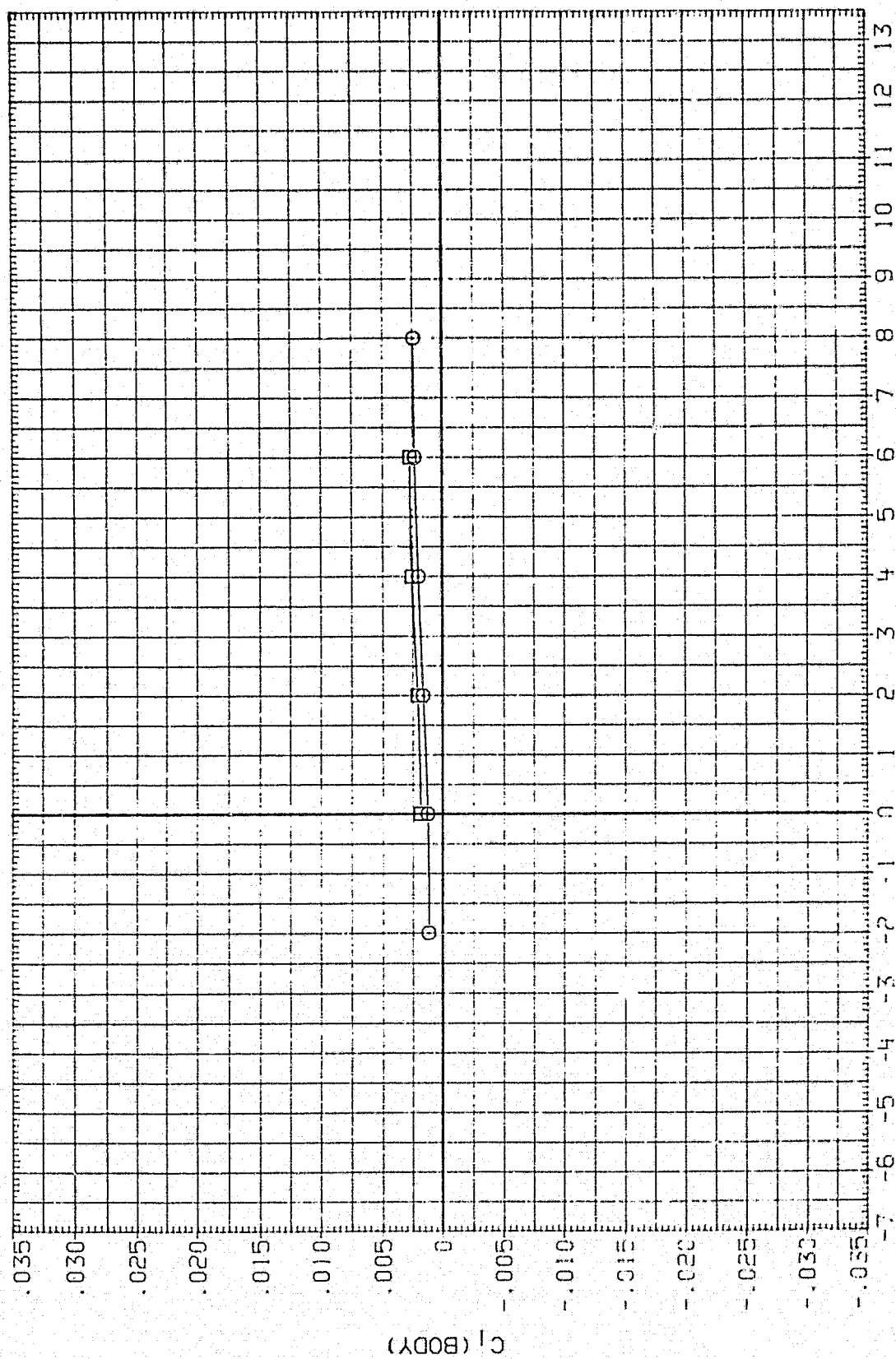


FIG 4 EFFECT OF ELEVEN DEFLECTION ON ORBITER CHARACTERISTICS

ALBET - -1.00

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DATA SET SYMBOL
 AFPP01
 AFPP05

CONFIGURATION

0A163B B68C12G20M16128M127E5F10V8P5X911
 0A163B B68C12G20M16128M127E5F10V8P5X911

THETAN
 5.000
 5.000

PHI-N
 30.800
 30.800

THETML
 5.000
 5.000

THETMR
 5.000
 5.000

PHI-ML
 32.200
 32.200

PHI-MR
 32.200
 32.200

ELV-L
 .000
 5.000

BDFLAP
 .000
 .000

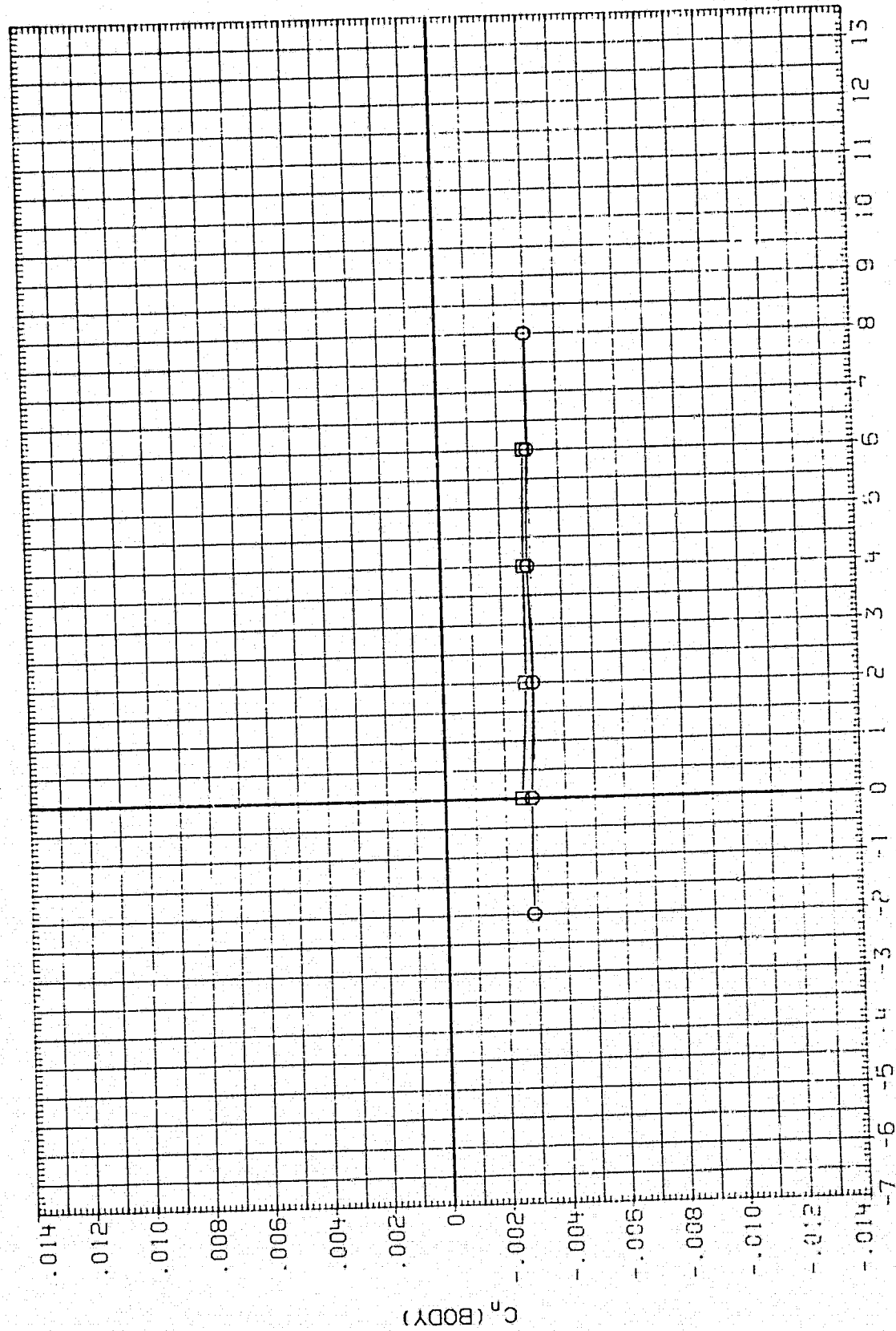


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(ELEVON) = -1.00

DATA SET	SYMBOL	CONF	IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-MC	PHI-MR	ELV-L	BDFLAP
0	0	0A1638	B68C12C20M16N29M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
0	0	0A1638	B68C12C20M16N29M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

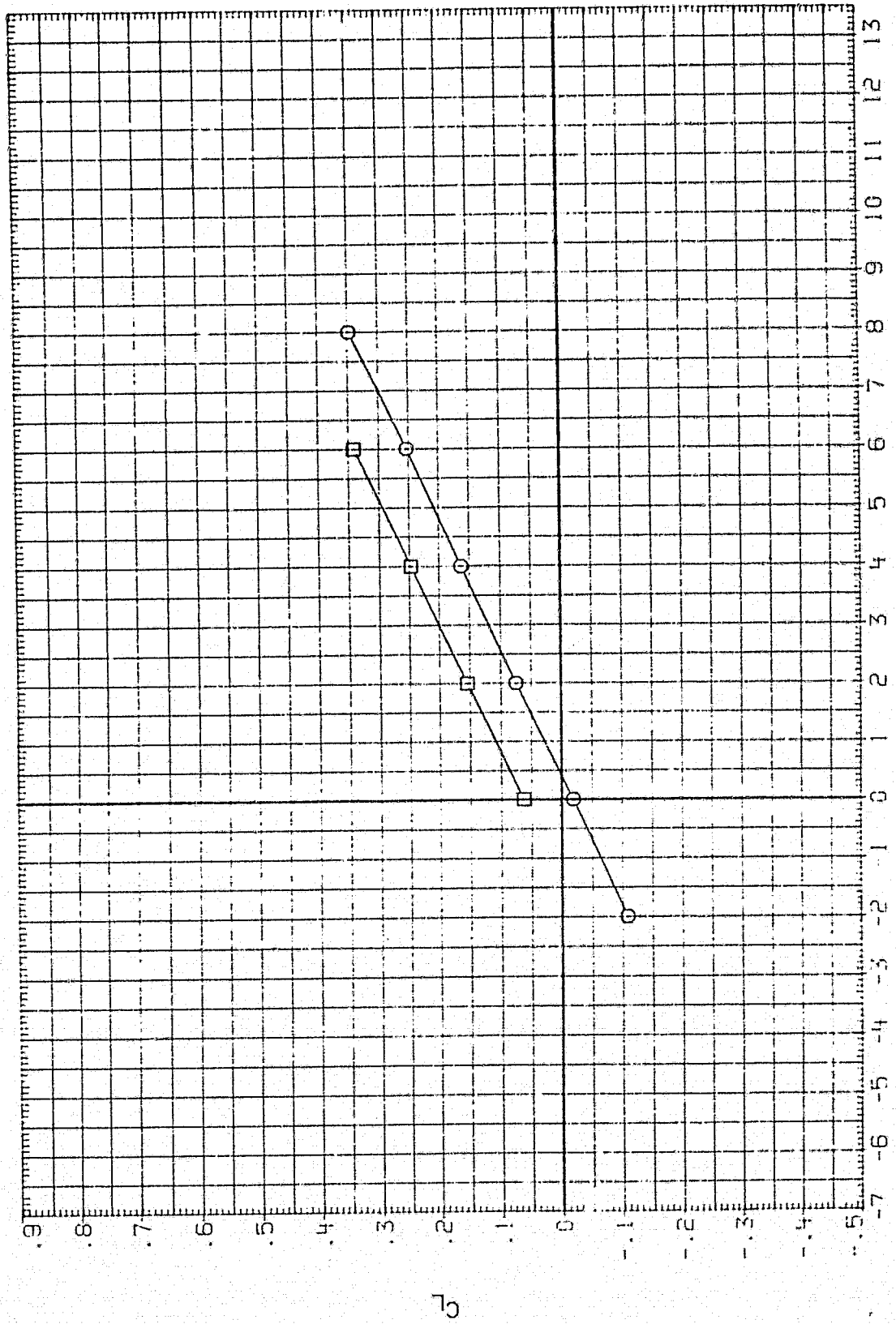


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-NR	ELV-L	BDFLAP
AEFF01	0A1638 B68C12020M16N28M127E5F10VBR5X911	5.000	36.800	5.000	5.000	32.200	.000	
AEFF05	0A1638 B68C12020M16N28M127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	.000	

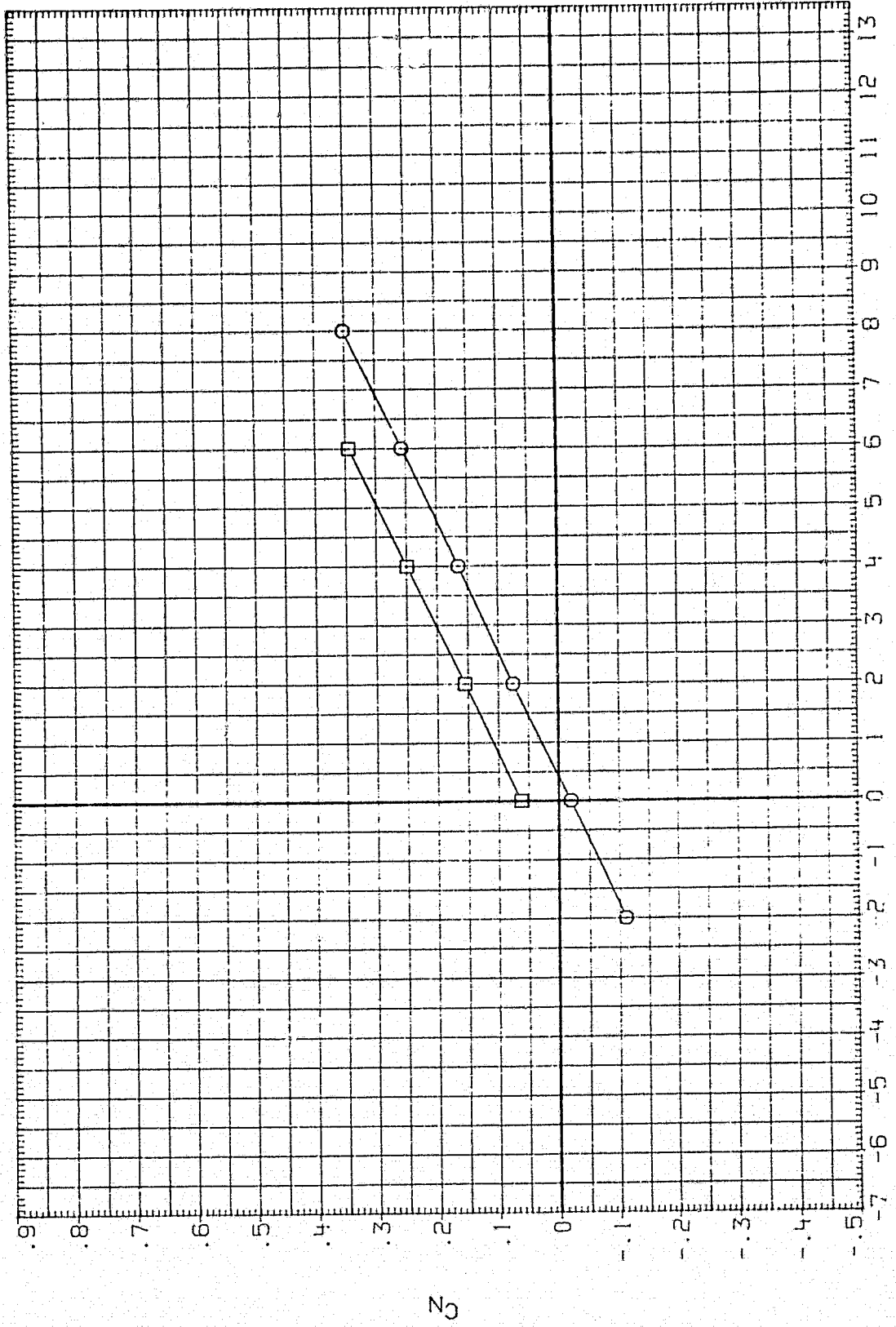


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET	SYMBOL	CONF	IGURA	ION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
APF01	○	OA163B	B68C12G20M15128M127E5F	10Y8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APF05	□	OA163B	B68C12G20M16128M127E5F	10Y8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

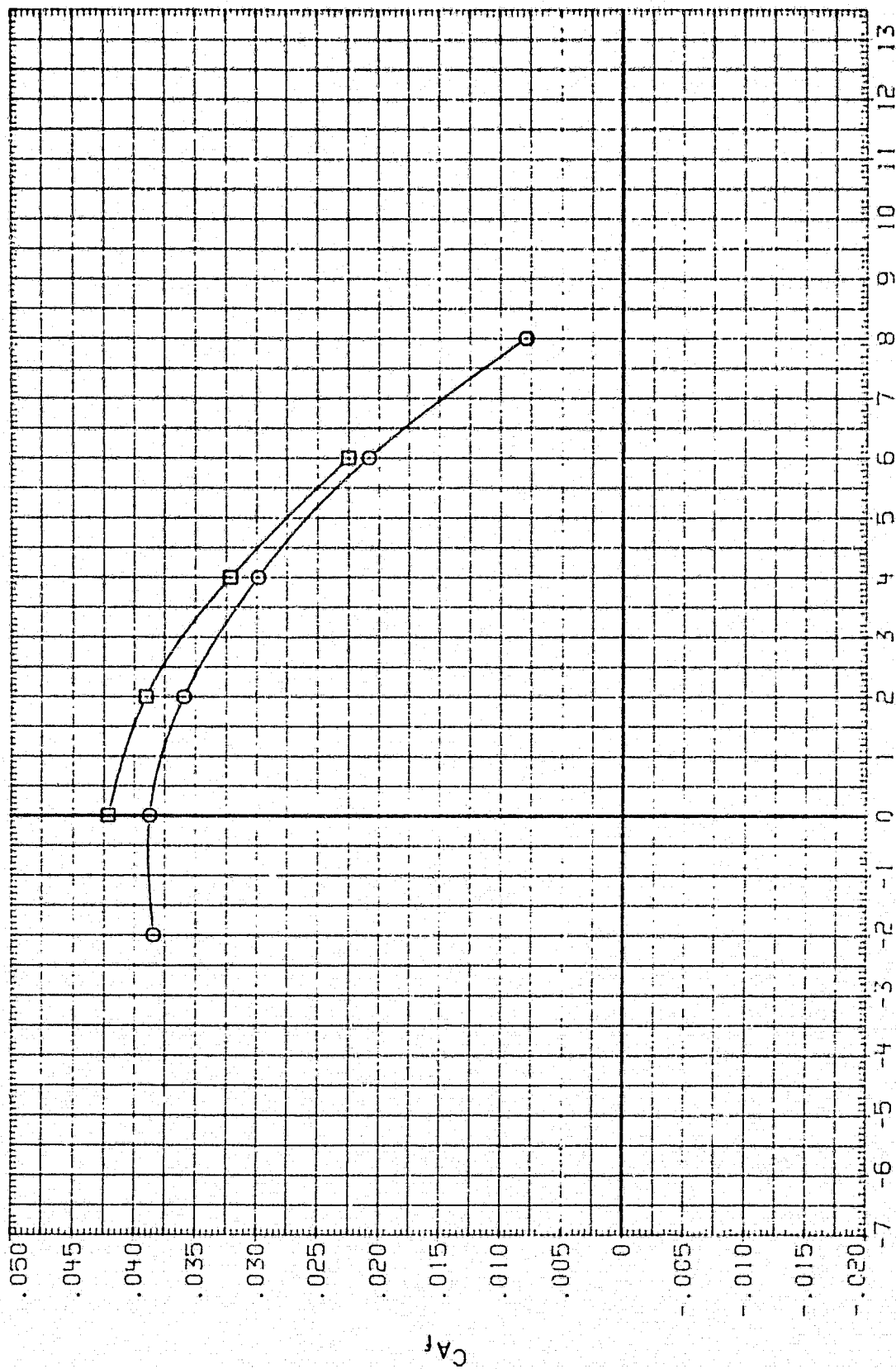


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(F)BETA = .00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	□	0A163B	B68C12C2CM16NPRM127F5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	□	0A163B	B68C12C2CM16N2RM127F5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

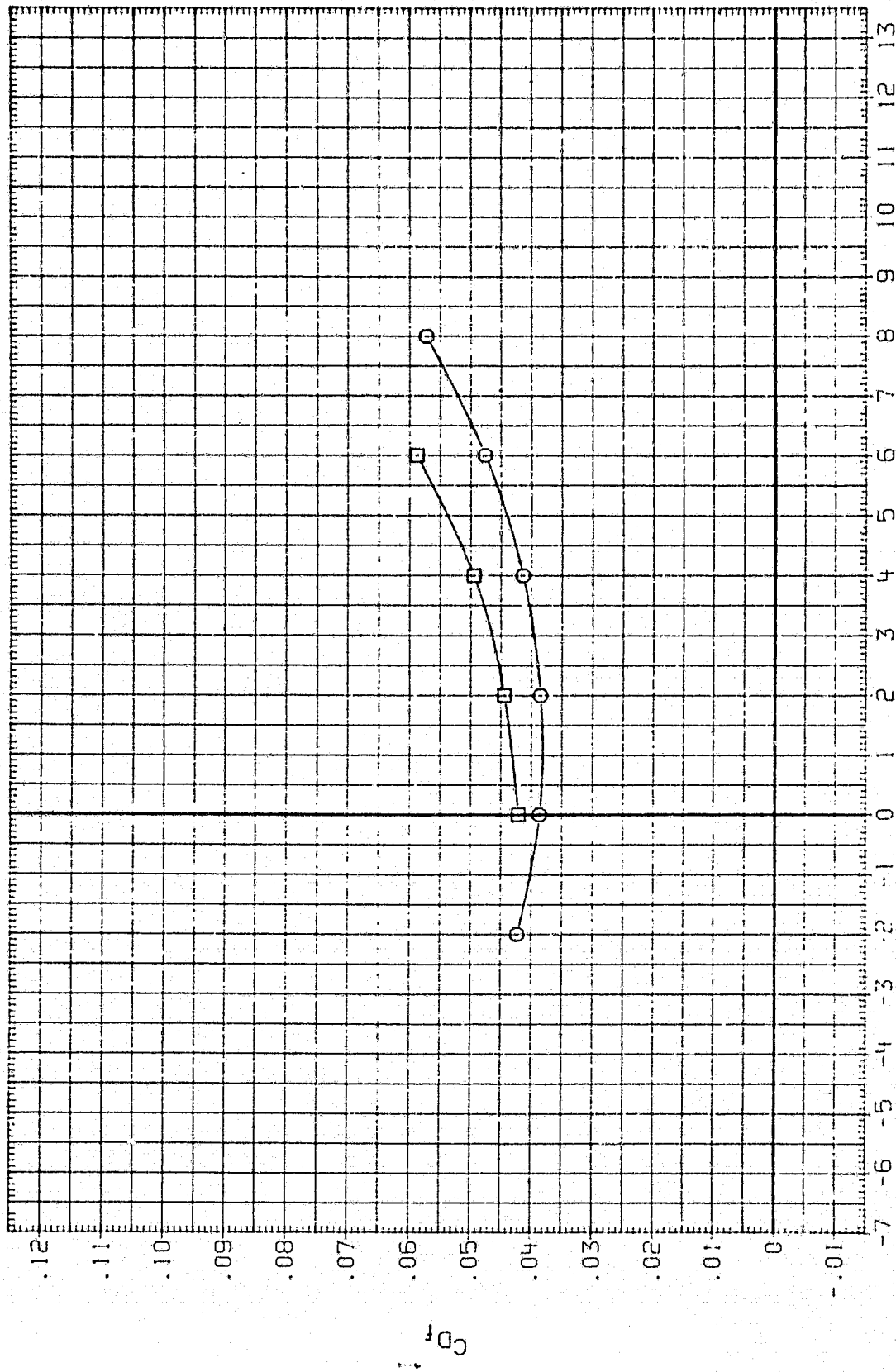


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

C.2

DATA SET SYMBOL CONFIGURATION
 AFFP01 O 0A1638 868C12620116428W127F5F 10V8P5X911
 AFFP05 □ 0A1638 868C12620116428W127F5F 10V8P5X911

THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	80FLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000

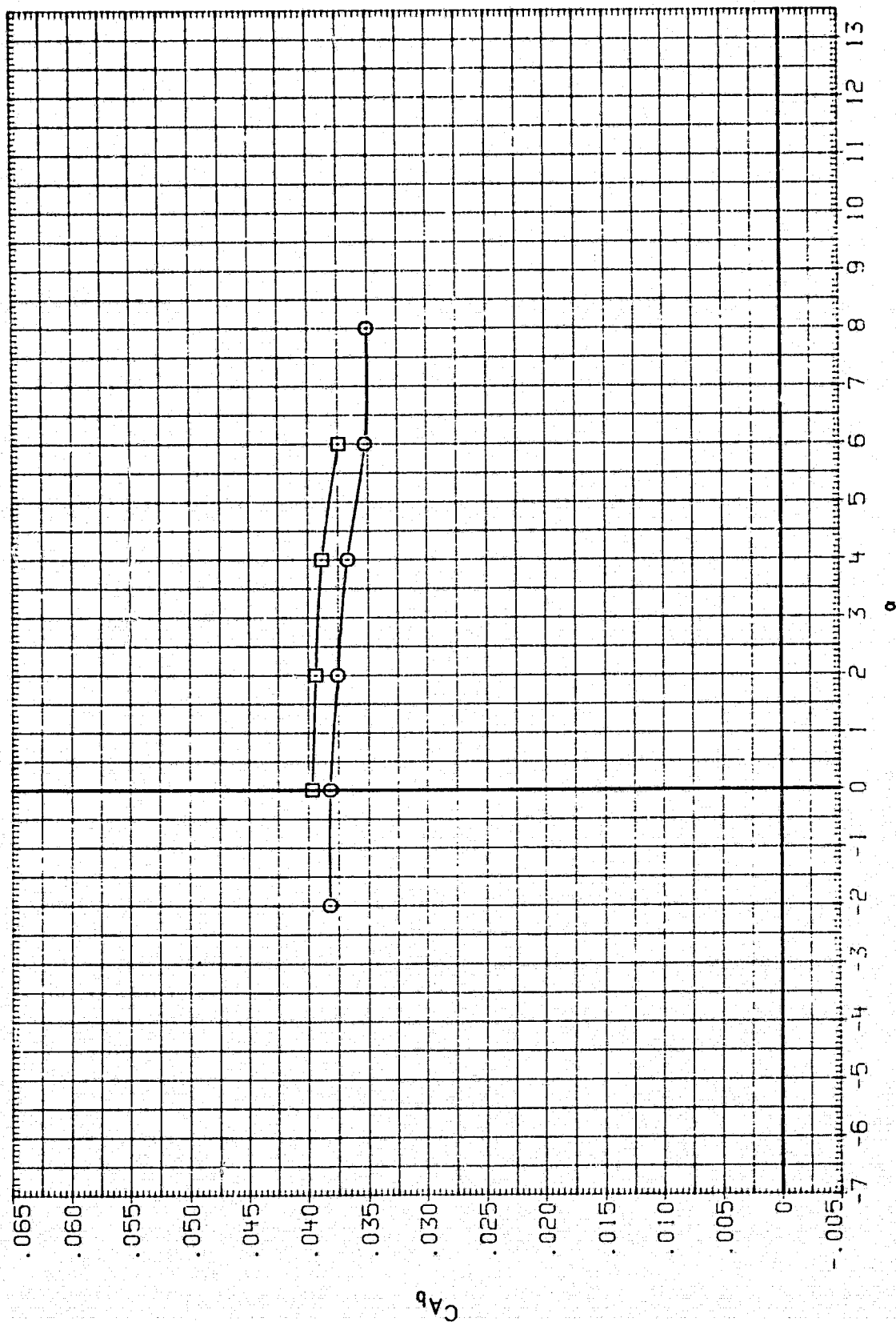


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(F) BETA = .00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A1538 B68C12020M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A1538 B58C12020M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

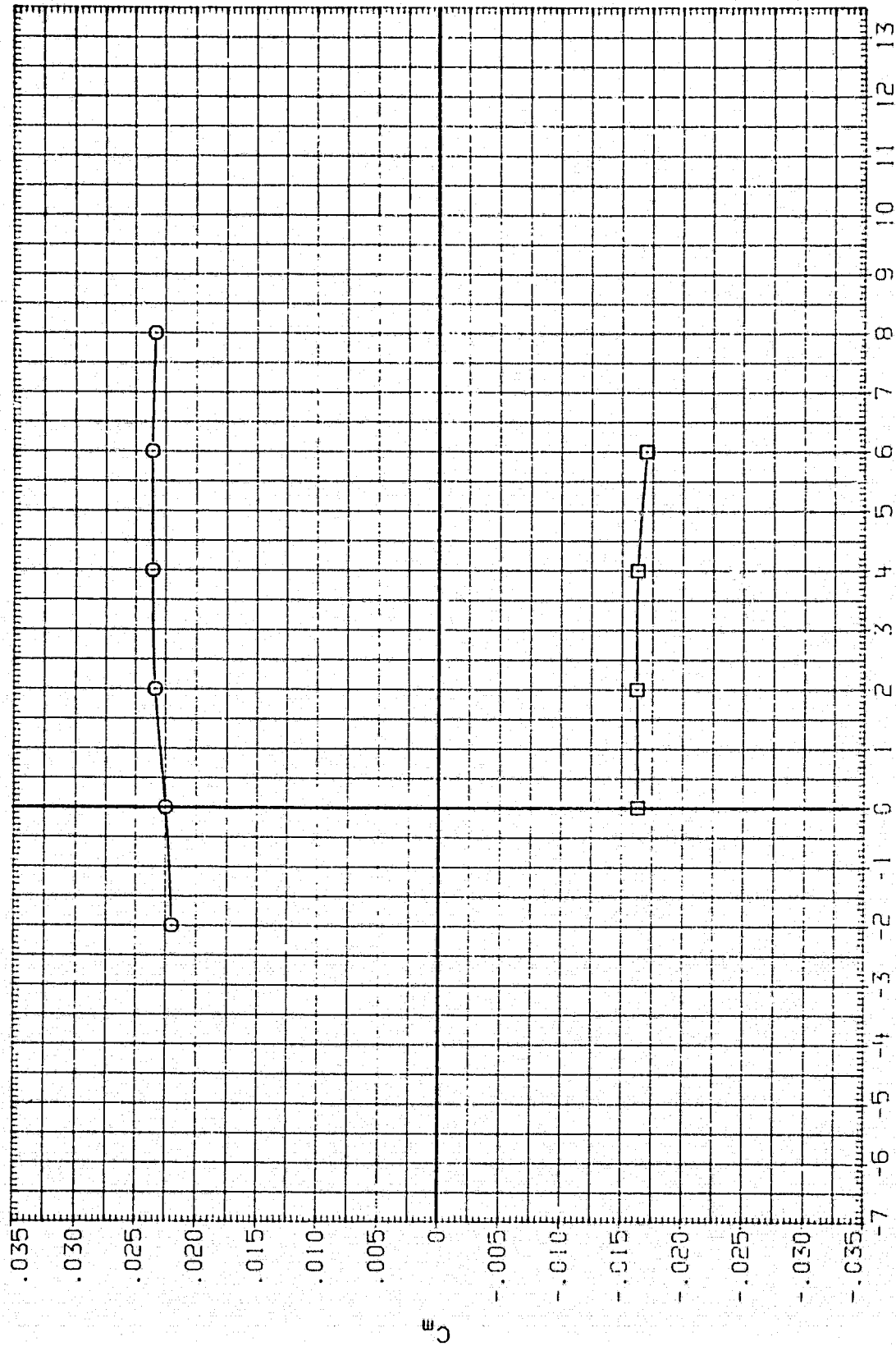


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL
 AFF01
 AFF05

CONFIGURATION
 0A1538 B68C12G20M15:28W127E5F10V8P5X911
 0A1638 B68C12G20M15:28W127E5F10V8P5X911

THE TAN PHI - N THE TML THE TMR PHI - ML PHI - MR ELV - L BDF LAP
 5.000 30.800 5.000 32.200 32.200 5.000 .000
 5.000 30.800 5.000 32.200 32.200 5.000 .000

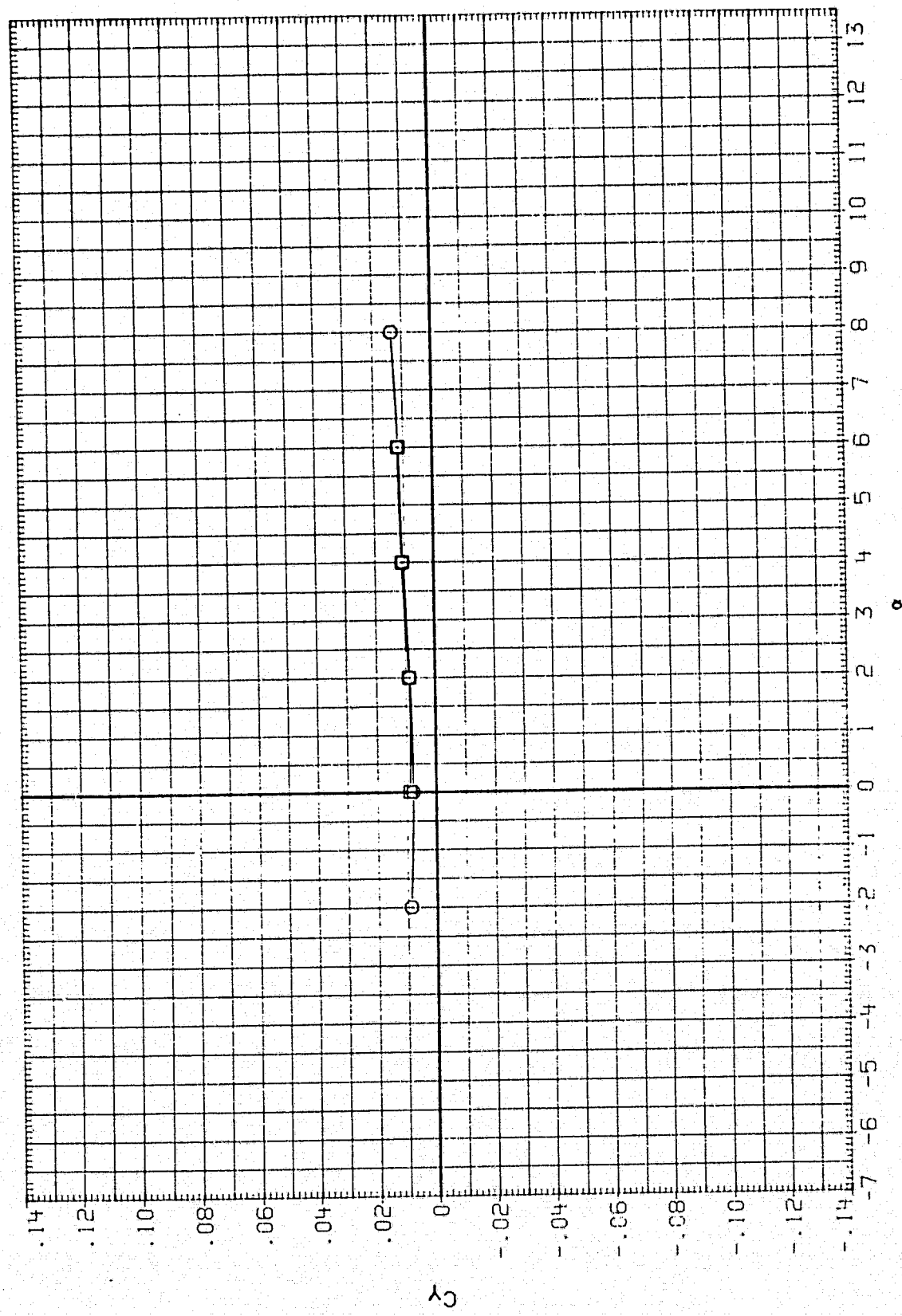


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

IF BETA = .00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BCFLAP
AFPF01	0A1539 B58C12G20M16A28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A1638 B68C12G20M16A28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

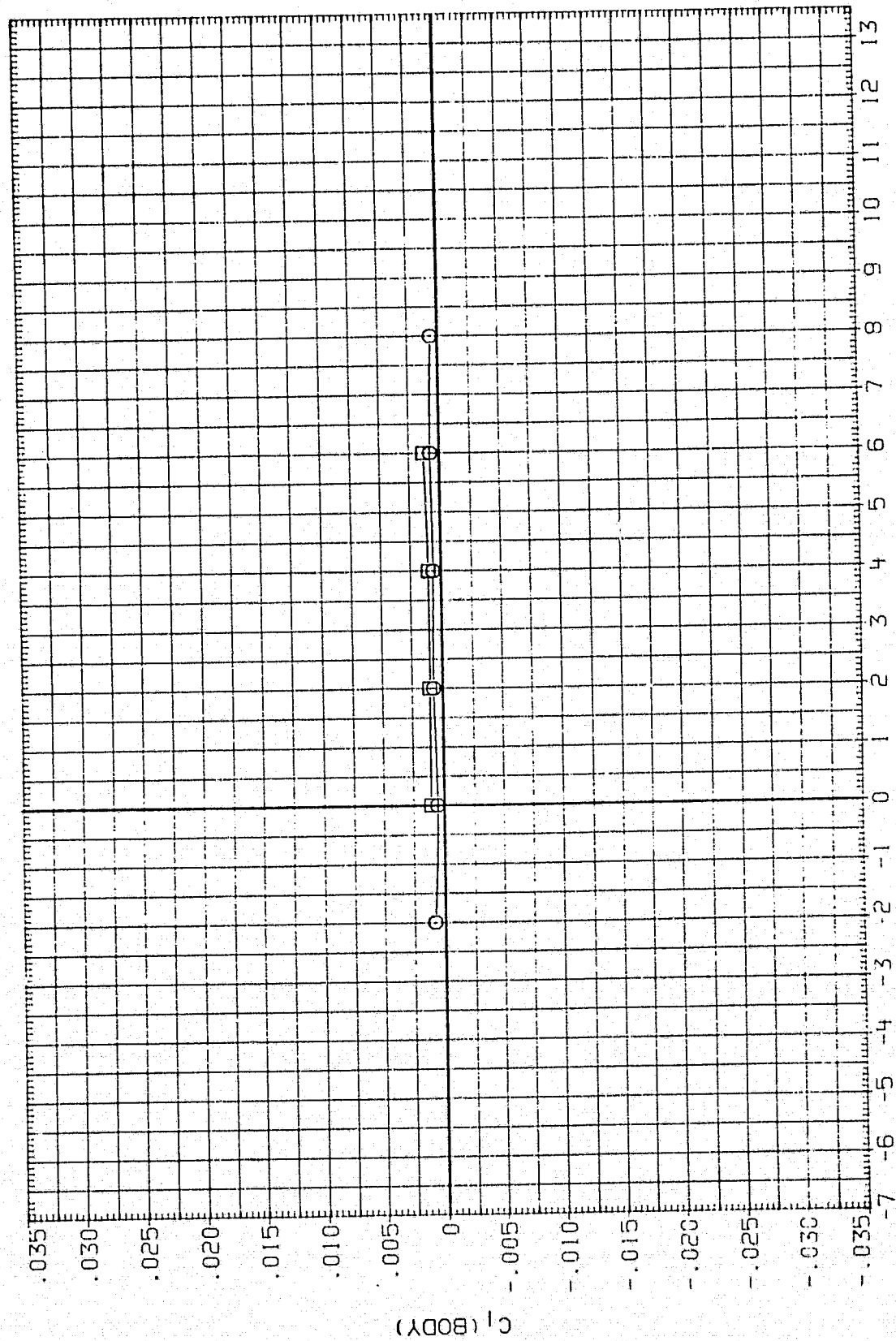


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL
AFPF01
AFPF05

CONF IGURATION
0A1638 B68C12020M16N28K127E5F10V8R5X911
0A1638 B68C12020M16N28K127E5F10V8R5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000

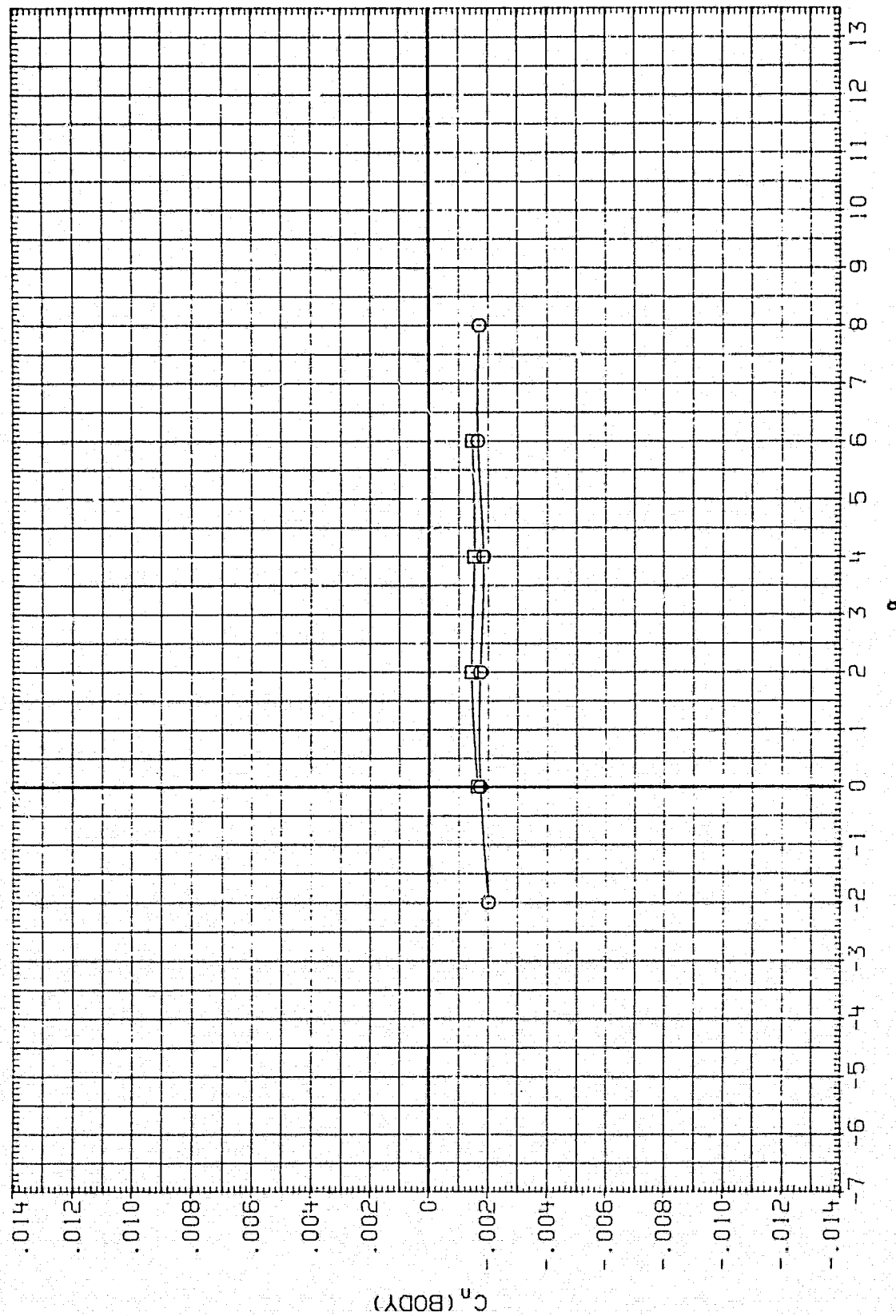


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(F)BETA = .00

DATA SET SYMBOL
 AFF01
 AFF05

CONF IGURATION

OA163B B68C12G20M16N28W127E5F10V8R5X911
 OA163B B68C12G20M16N28W127E5F10V8R5X911

THE TAN PHI-N THE TML THE TMR PHI-ML PHI-MR ELV-L BOFLAP
 5.000 30.800 5.000 32.200 32.200 .000
 5.000 30.800 5.000 32.200 32.200 .000

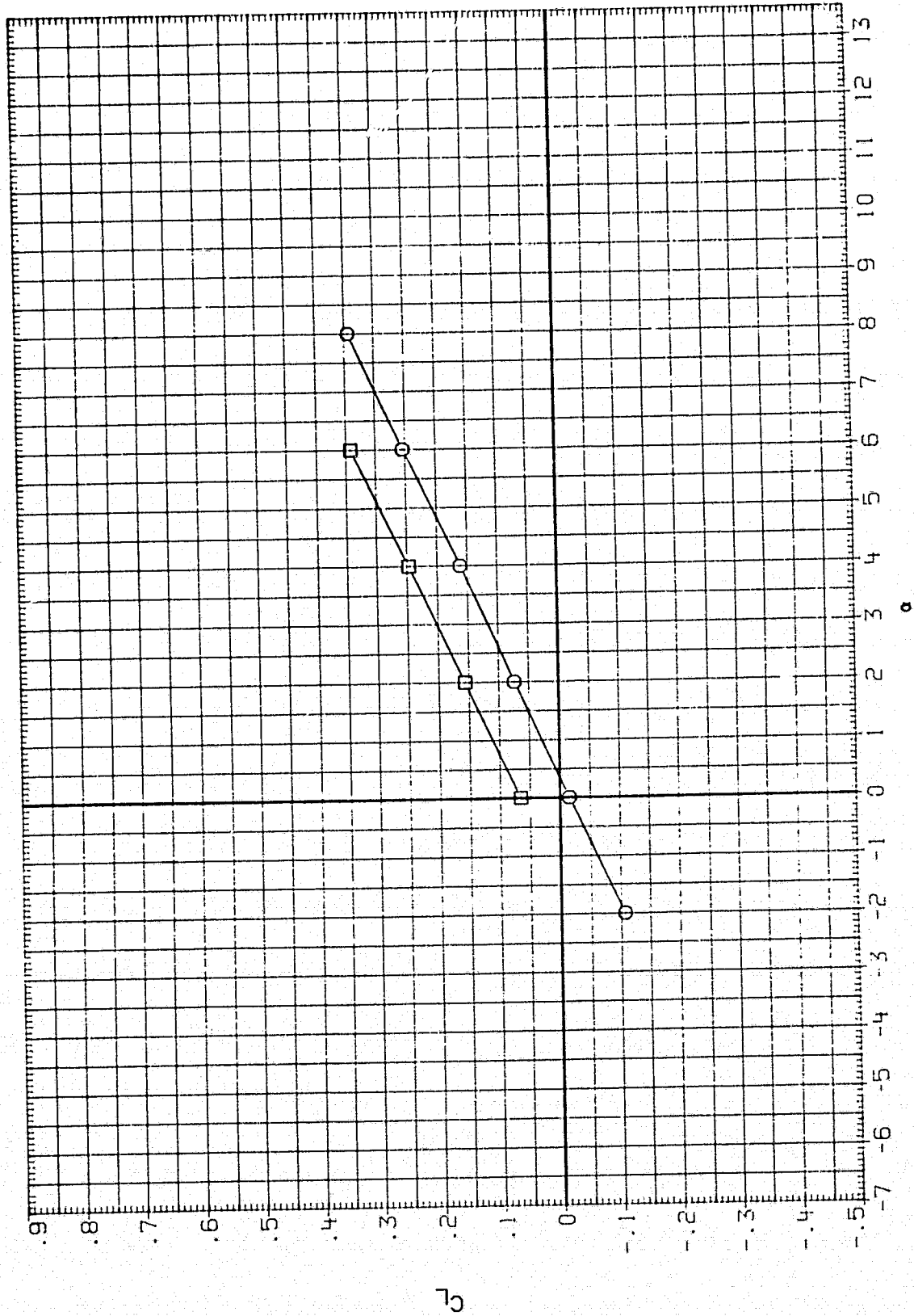


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(G)BETA = 1.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A163B B68C12G20M16N28M127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A163B B68C12G20M16N28M127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

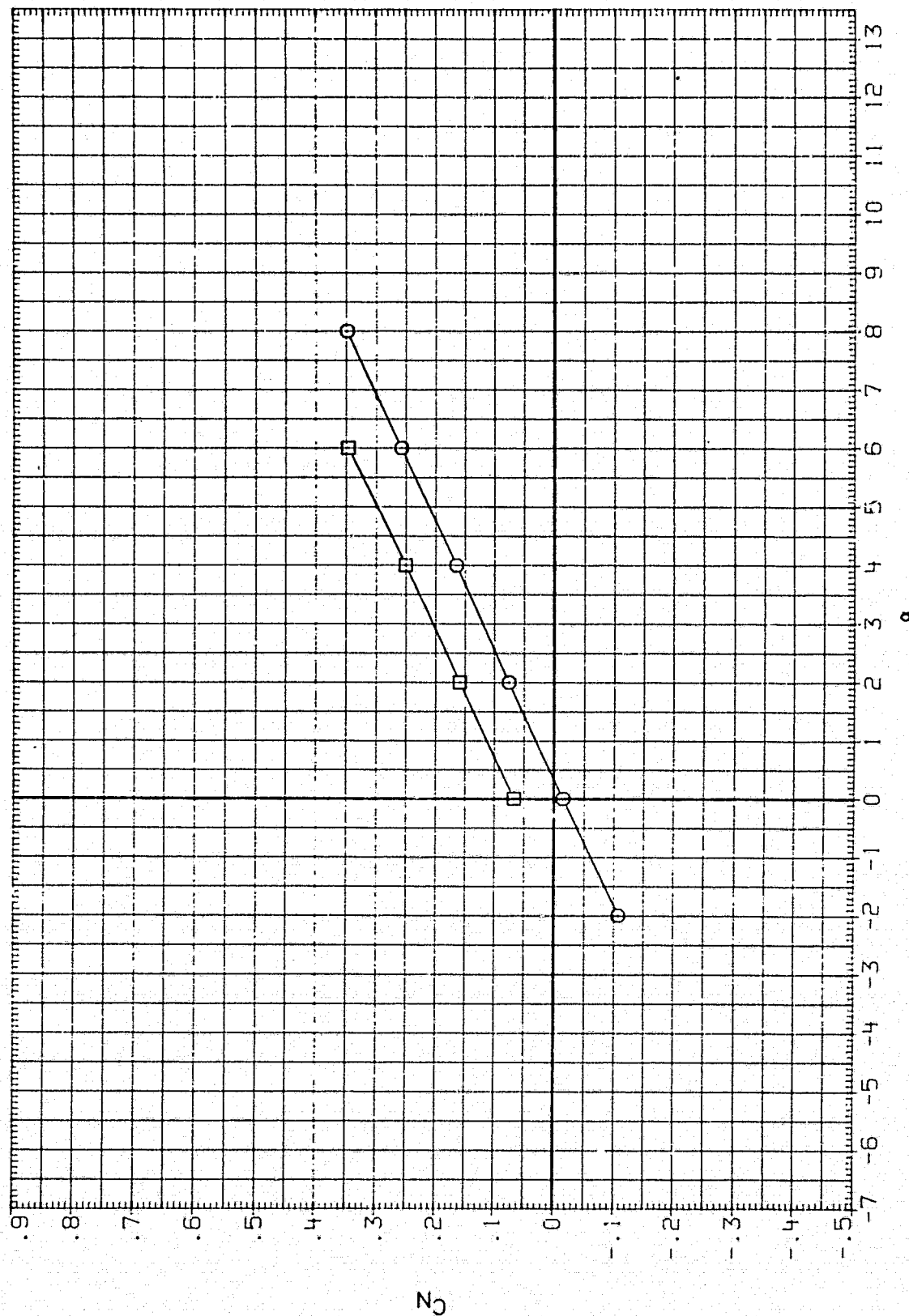


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(G) BETA = 1.00

DATA SET	SYMBOL	CONFIGURATION	THETA	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDELAP
AFPP01	○	0A163B B69C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPP05	□	0A163B B69C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

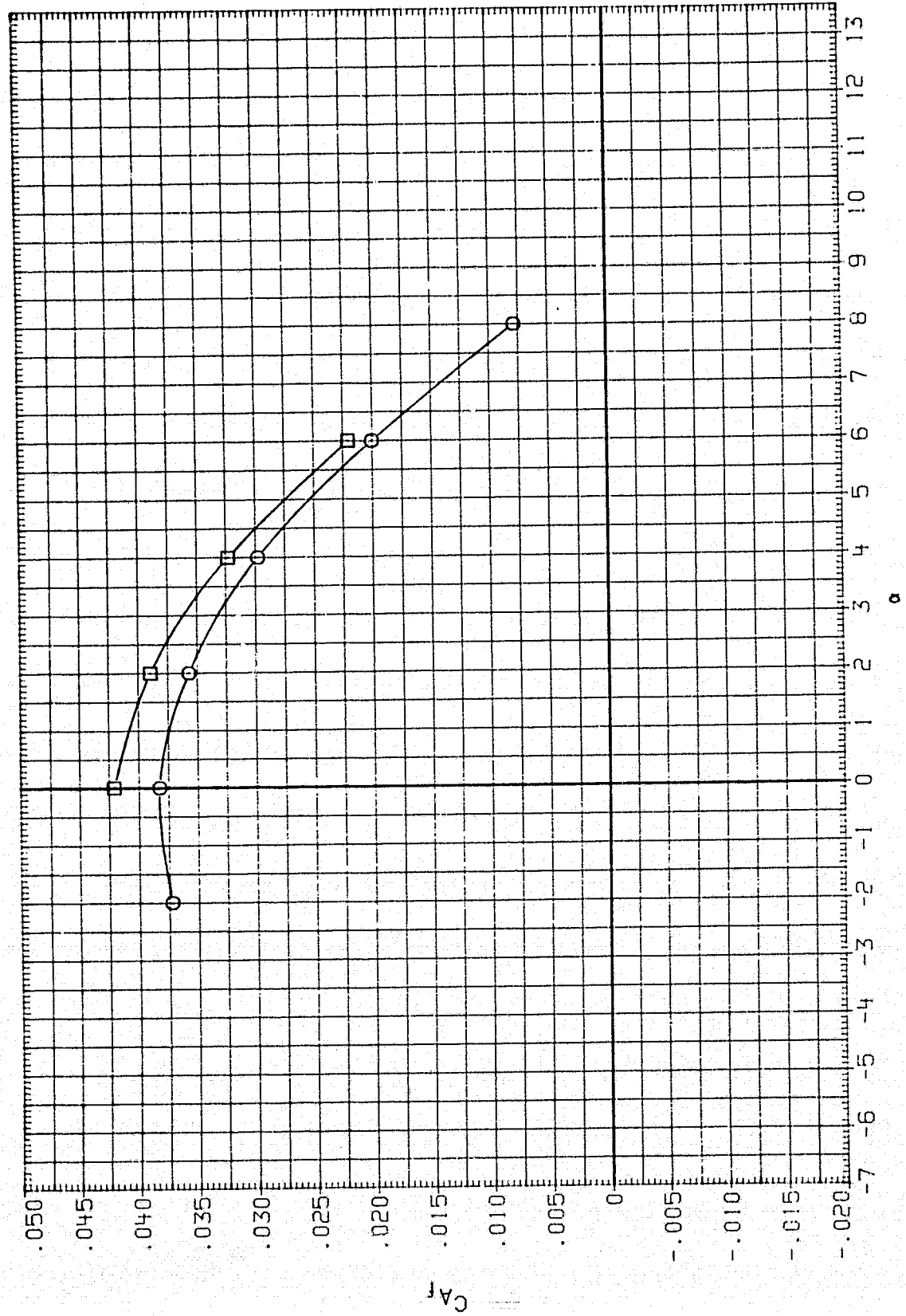


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

THETA	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

DATA SET SYMBOL CONFIGURATION

APPF01 0A1638 856C12020M16N28W127E5F10V8R5X911

APPF05 0A1638 856C12020M16N28W127E5F10V8R5X911

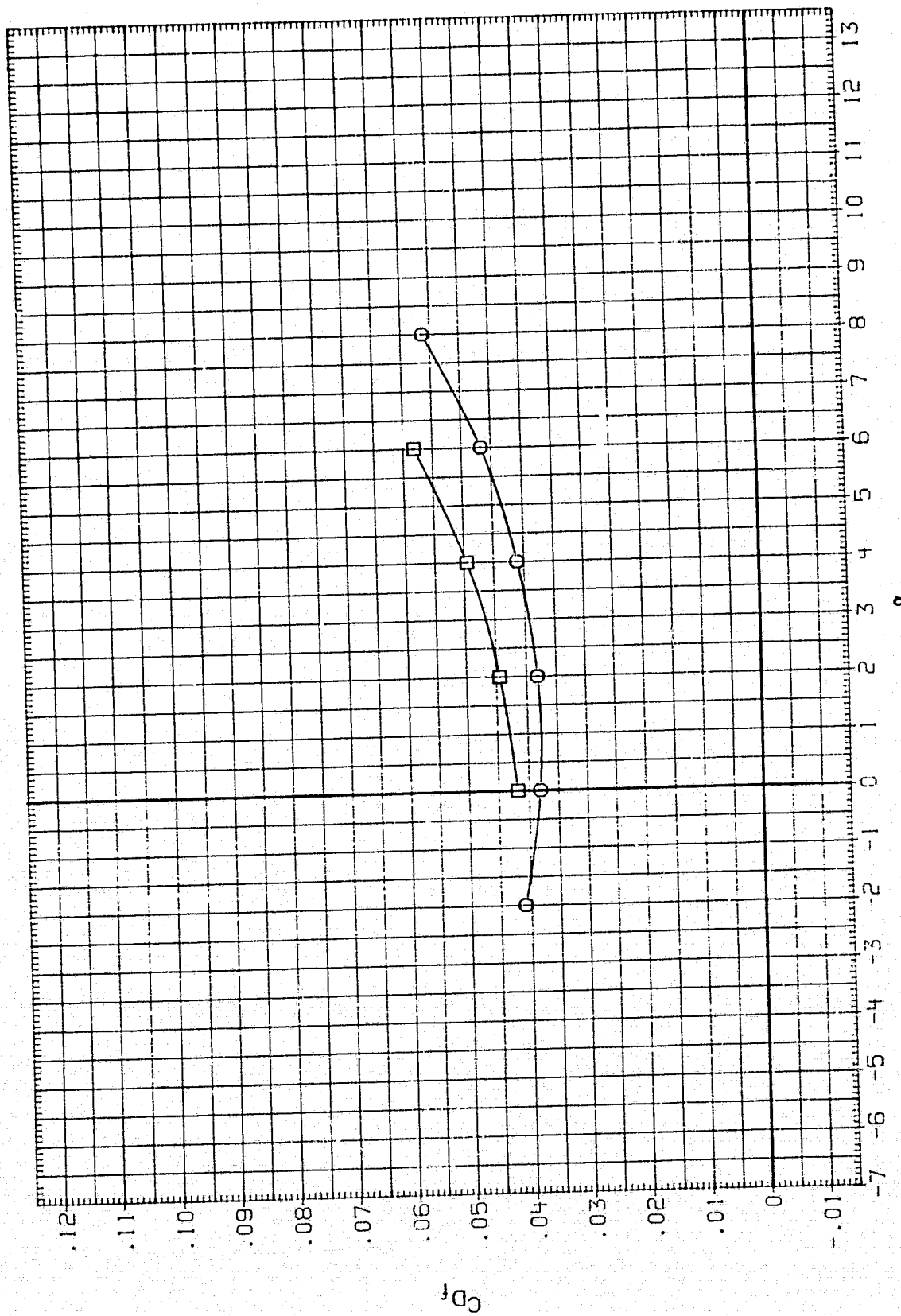


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(G)BETA = 1.00

DATA SET SYMBOL CONFIGURATION THETA PHI-N THETM THETMR PHI-ML PHI-MR ELV-L BDFLAP

AFPF01 O 0A1538 B68C12020M16N28M127E5F10VR5X911 5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000

AFPF05 □ 0A1638 B68C12020M16N28M127E5F10VR5X911 5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000

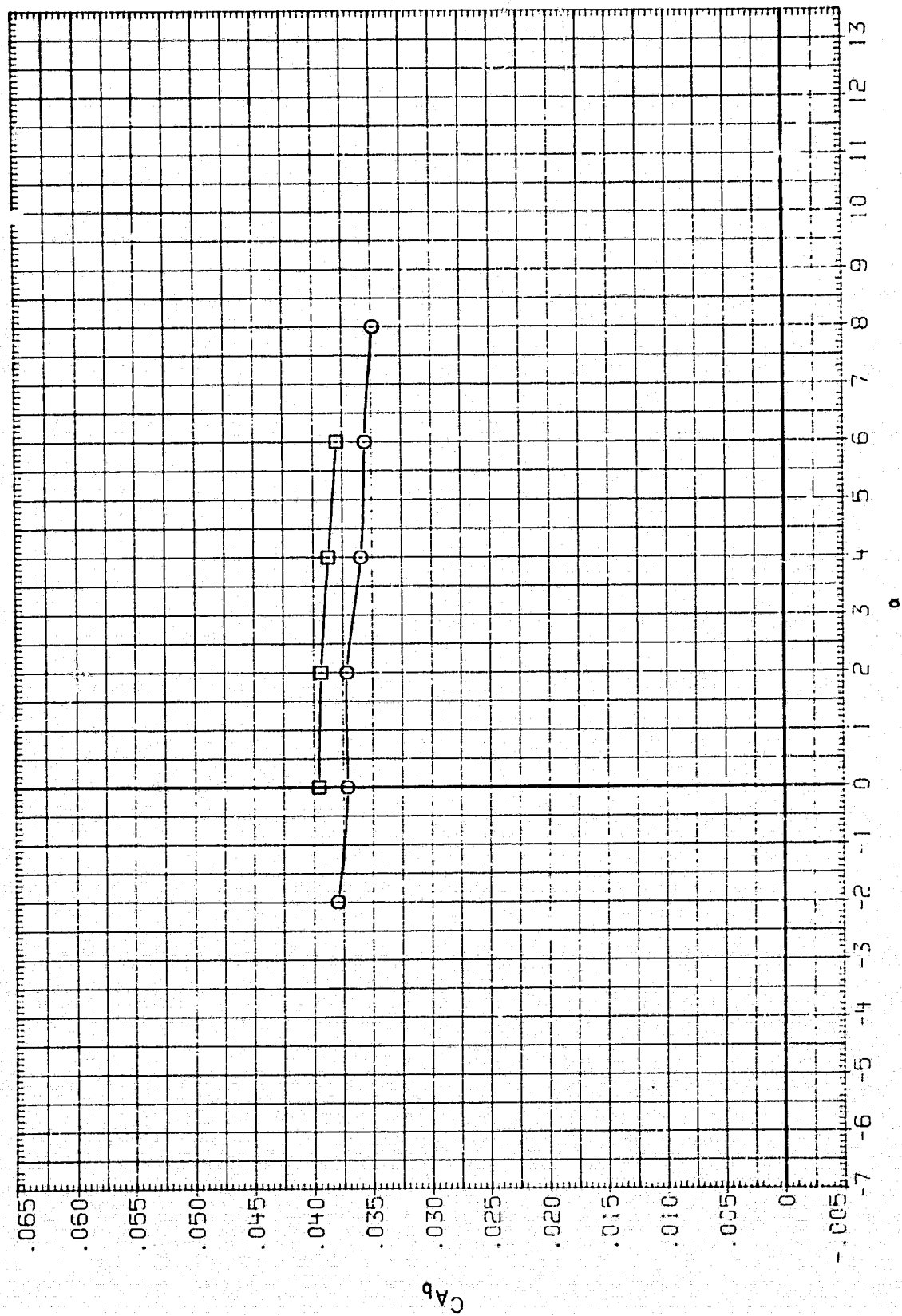


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(G)BETA = 1.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

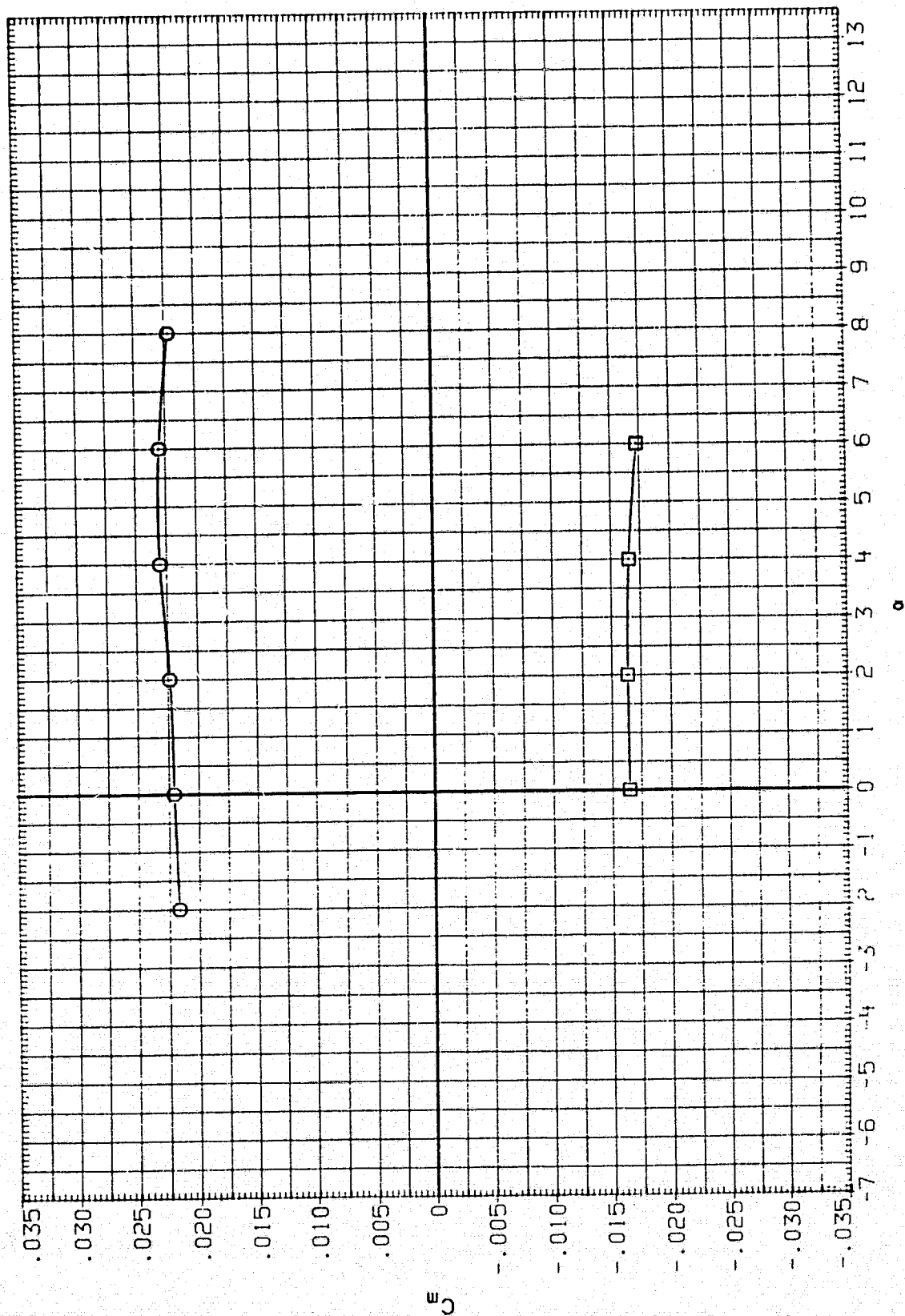


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

δ = 1.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0	0A163B	B68C12G20M16A28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000
AFPF05	0	0A163B	B68C12G20M16A28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

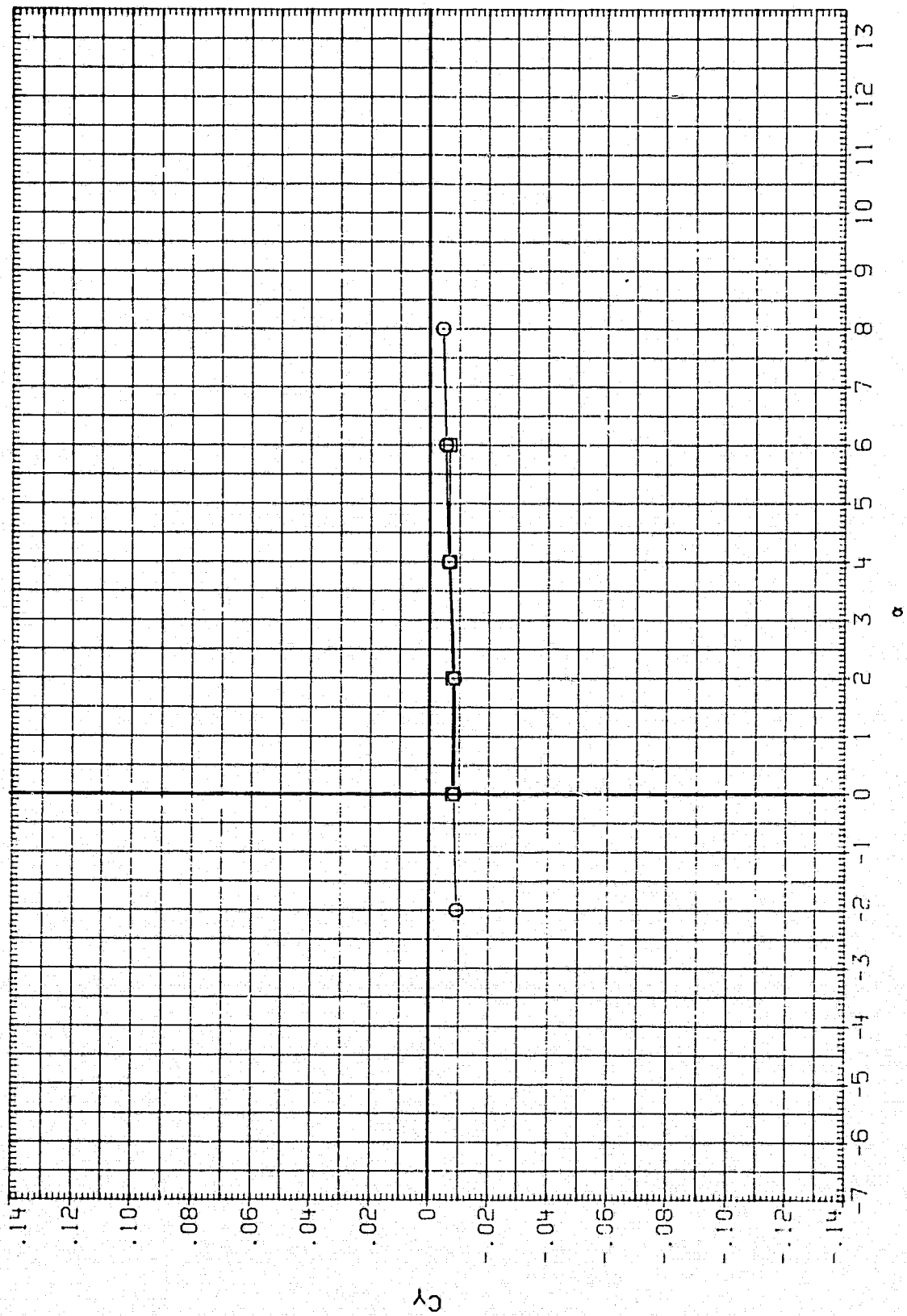


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	□	0A163B B68C12G20M15N28W127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A163B B68C12G20M16N28W127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

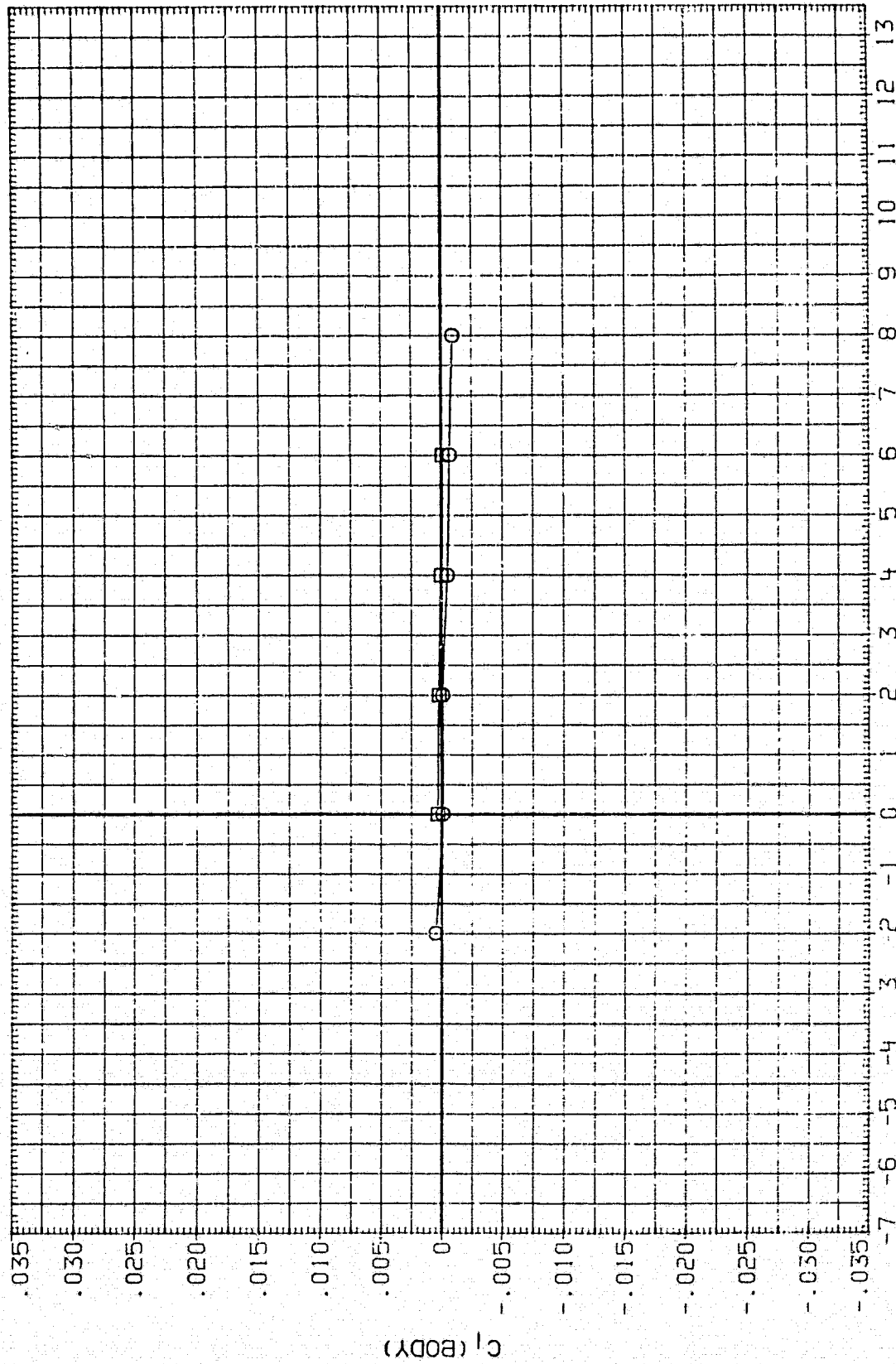


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(G)BETA = 1.00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BD FLAP
AFPF01	0A163B B68C12G20M16128M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A163B B68C12G20M16128M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	

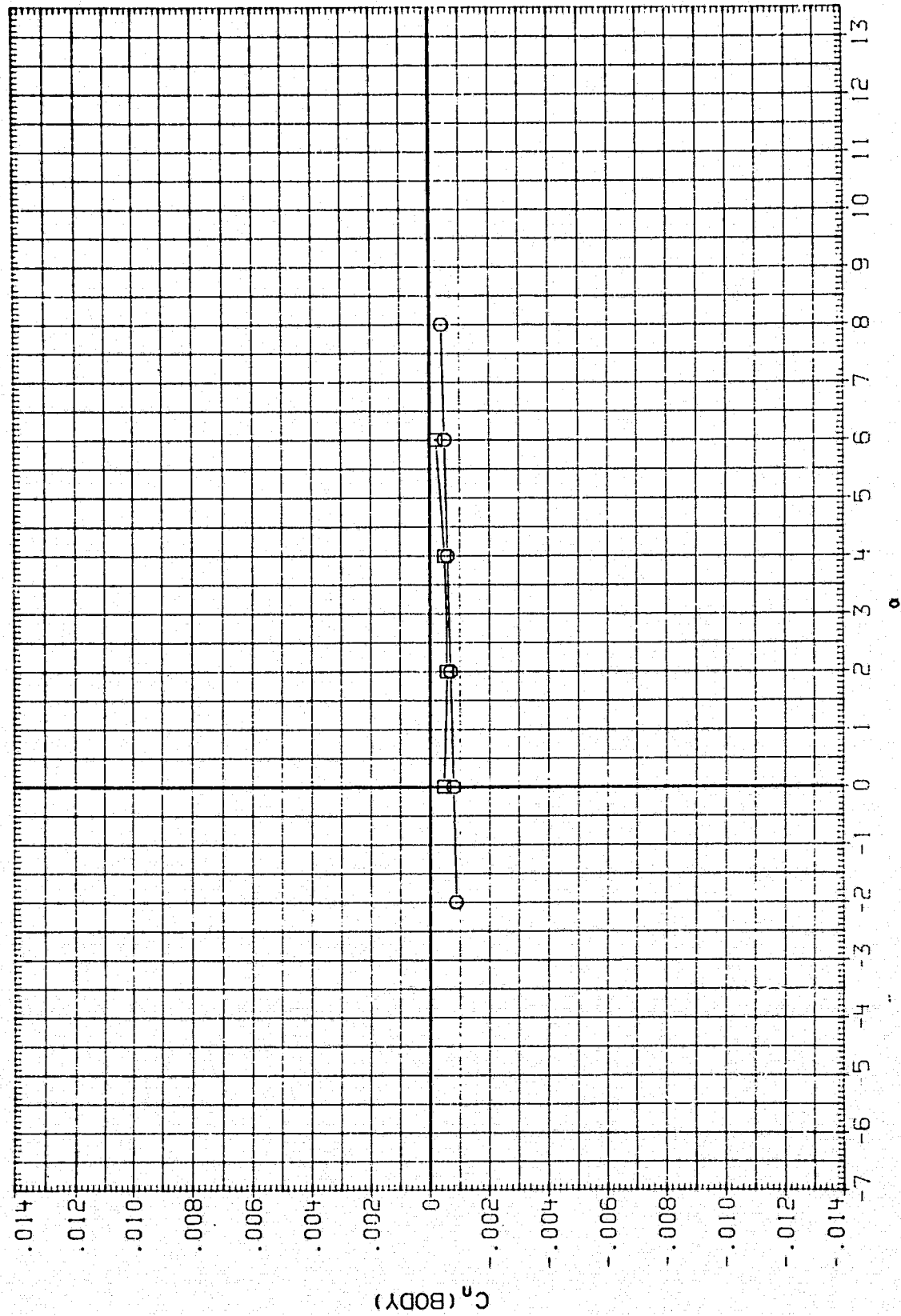


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDCLAP
APPF01	0A163B B68C12620M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APPF05	0A163B B68C12620M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

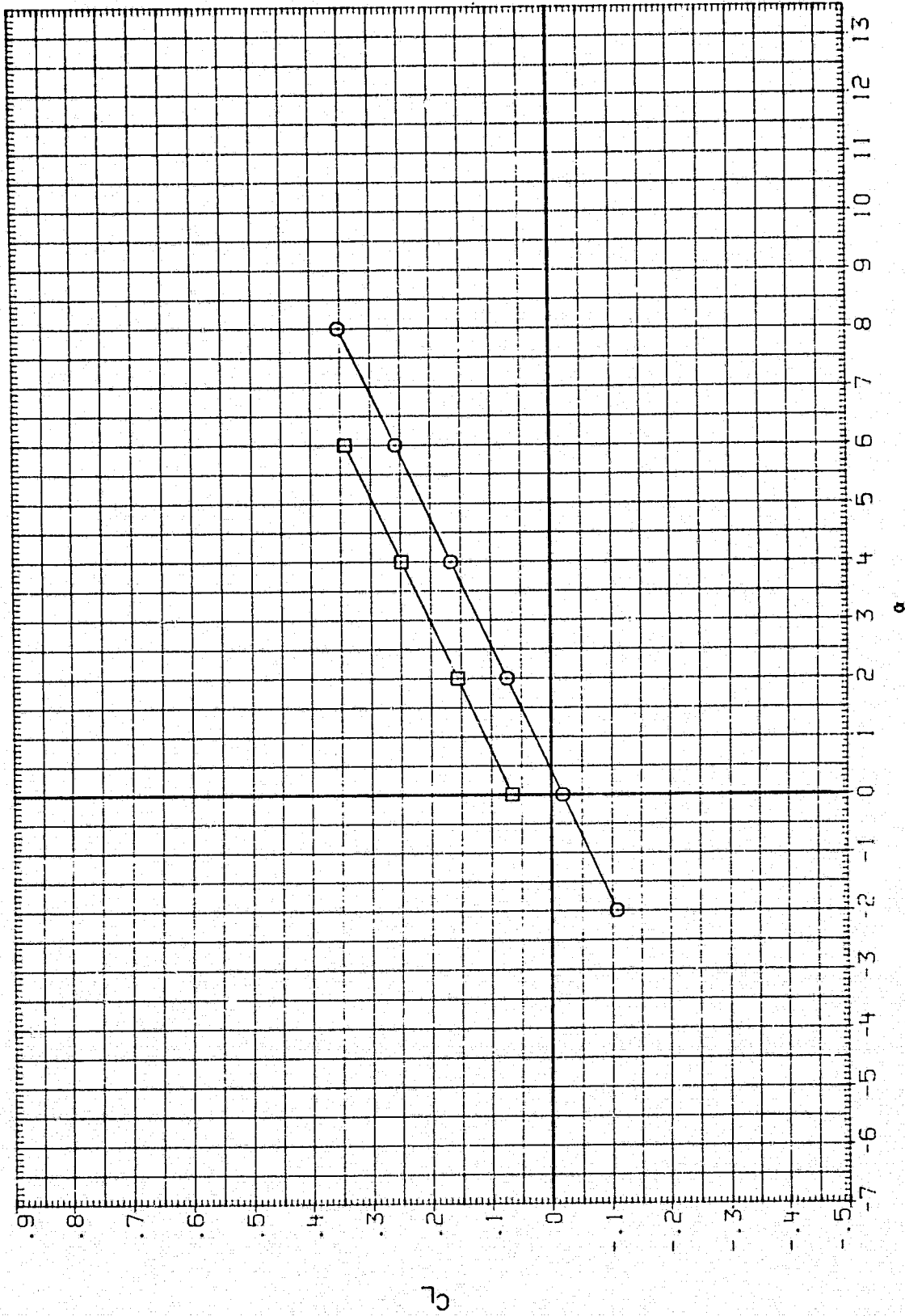


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(H) BETA = 2.00

DATA SET SYMBOL		CONFIGURATION		THE TAN	PHI - N	THE TML	THE THR	PHI - ML	PHI - MR	ELV - L	BDF LAP
AFPF01	0	0A163B	B58C12C20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	□	0A163B	B58C12C20M16N28M127E5F10V3P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

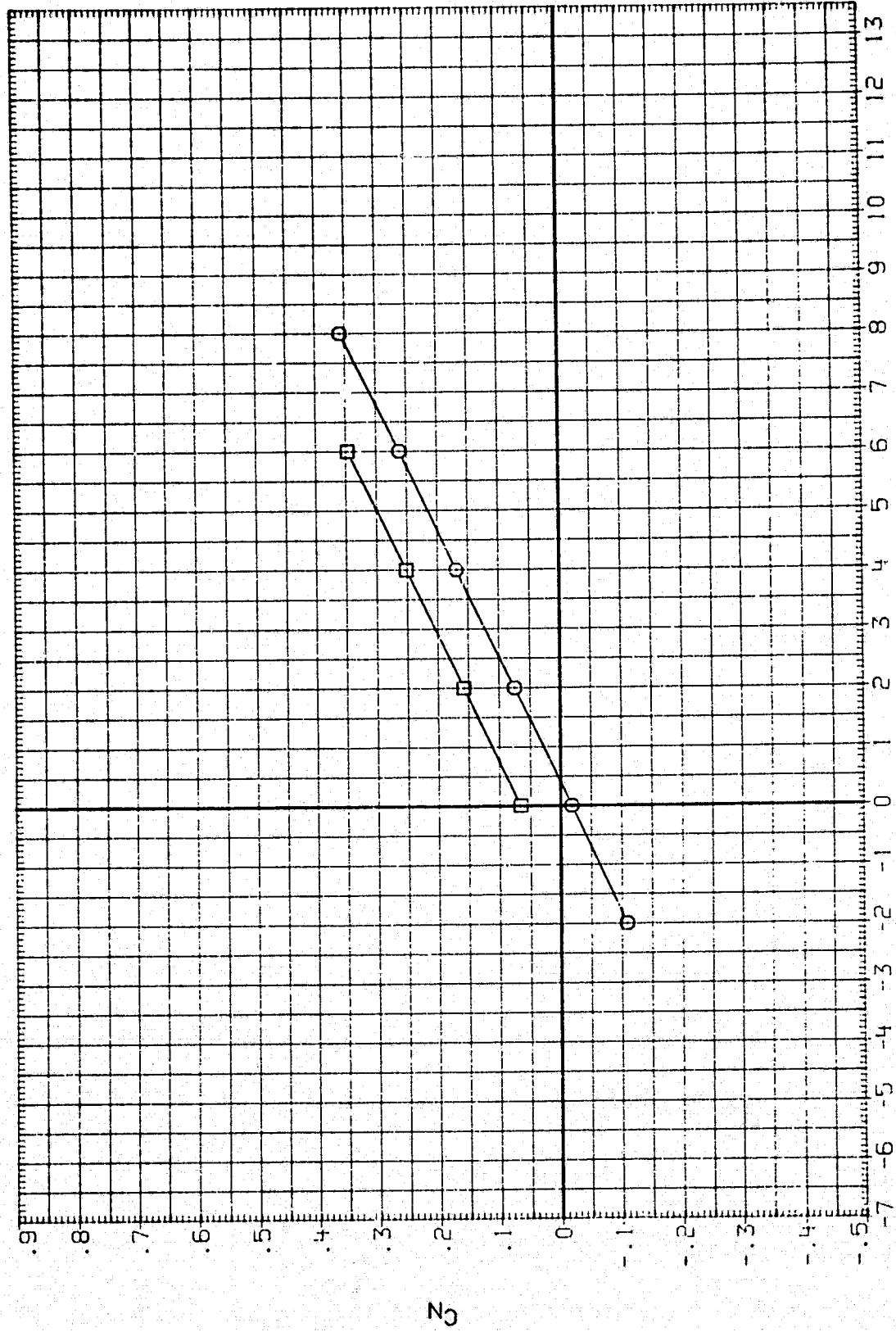


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(H) BETA = 2.00

DATA SET SYMBOL

AFPC01
AFPC05

□ ○

CONFIGURATION

0A163B B68C12C20M16N28H127E5F 10V9R5X911
0A163B B68C12C20M16N28H127E5F 10V9R5X911

THEIAX PHI-N THETML THETHR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000
5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000

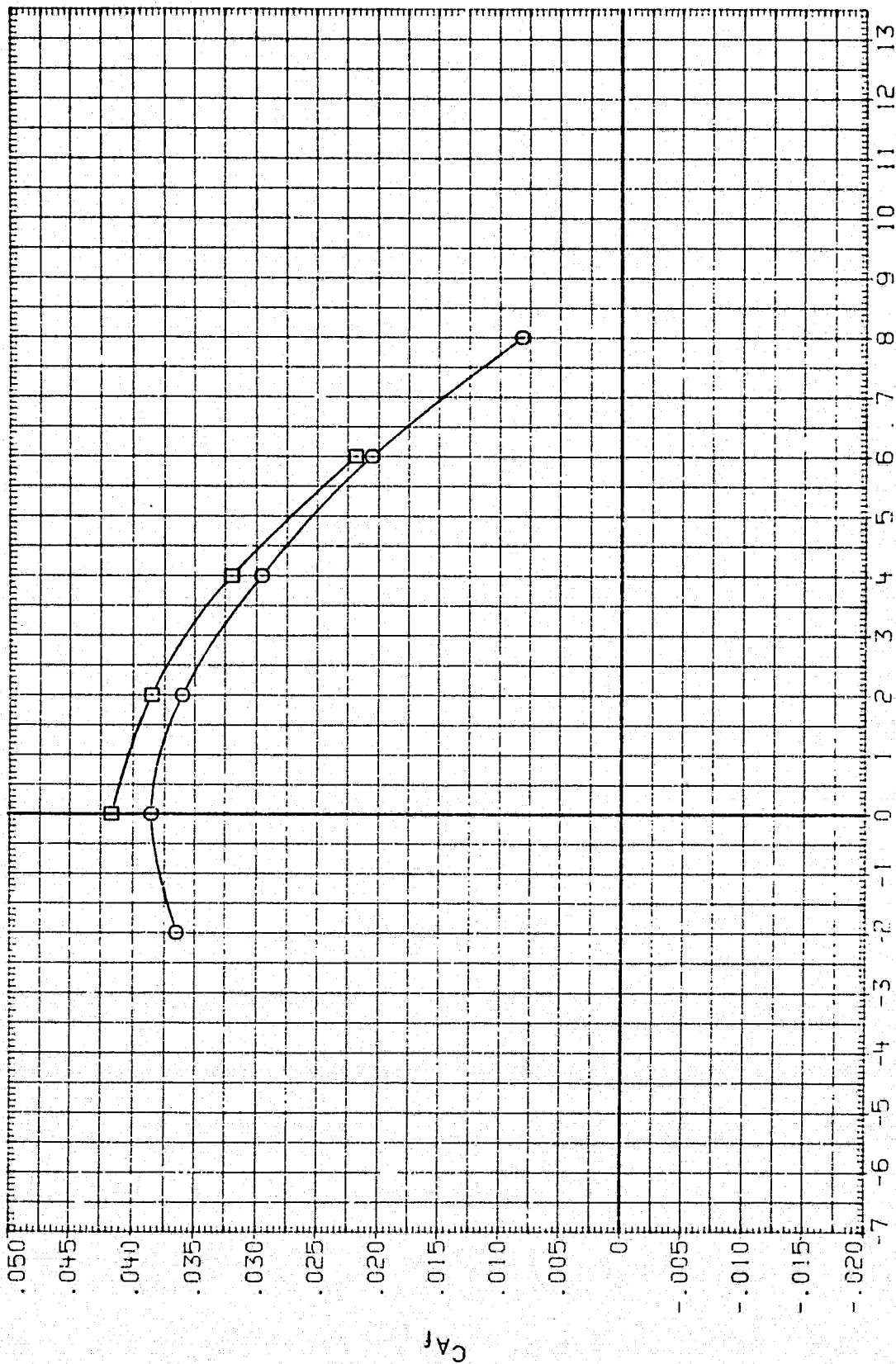


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(H)BETA = 2.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BDF LAP
APPF01	0A163B 868C12620M16N28W127E5F10V8R5X311	5.000	30.800	5.000	5.000	32.200	32.200	.000	
APPF05	0A163B 868C12620M16N28W127E5F10V8R5X311	5.000	30.800	5.000	5.000	32.200	32.200	.000	

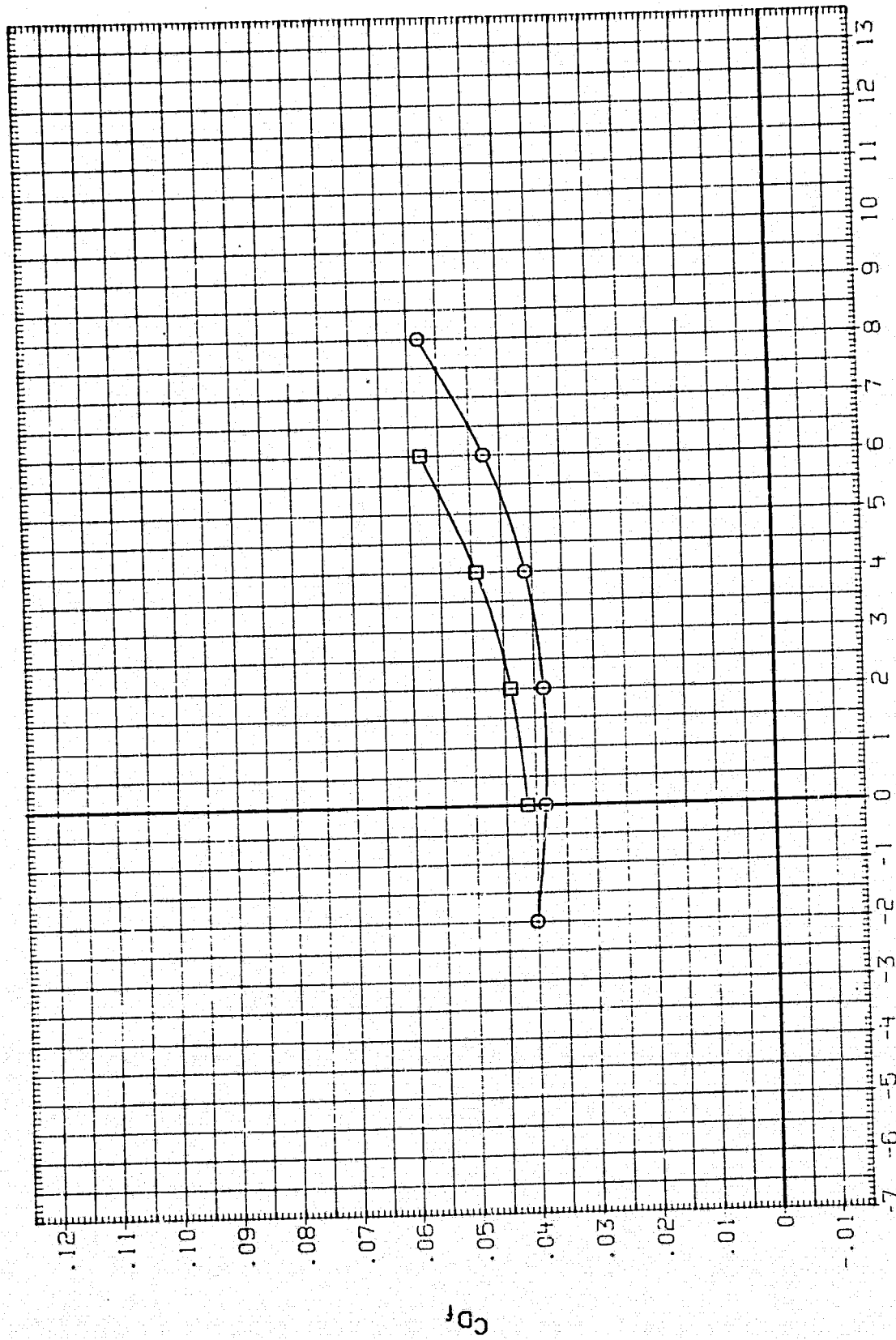


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(H) BETA = 2.00

DATA SET SYMBOL
 AFFFO1
 AFFFO5

CONF IGURATION
 0A1638 868C12020M16N284127E5F 10V8P5X911
 0A1638 868C12020M16N284127E5F 10V8P5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDELAP
 5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000

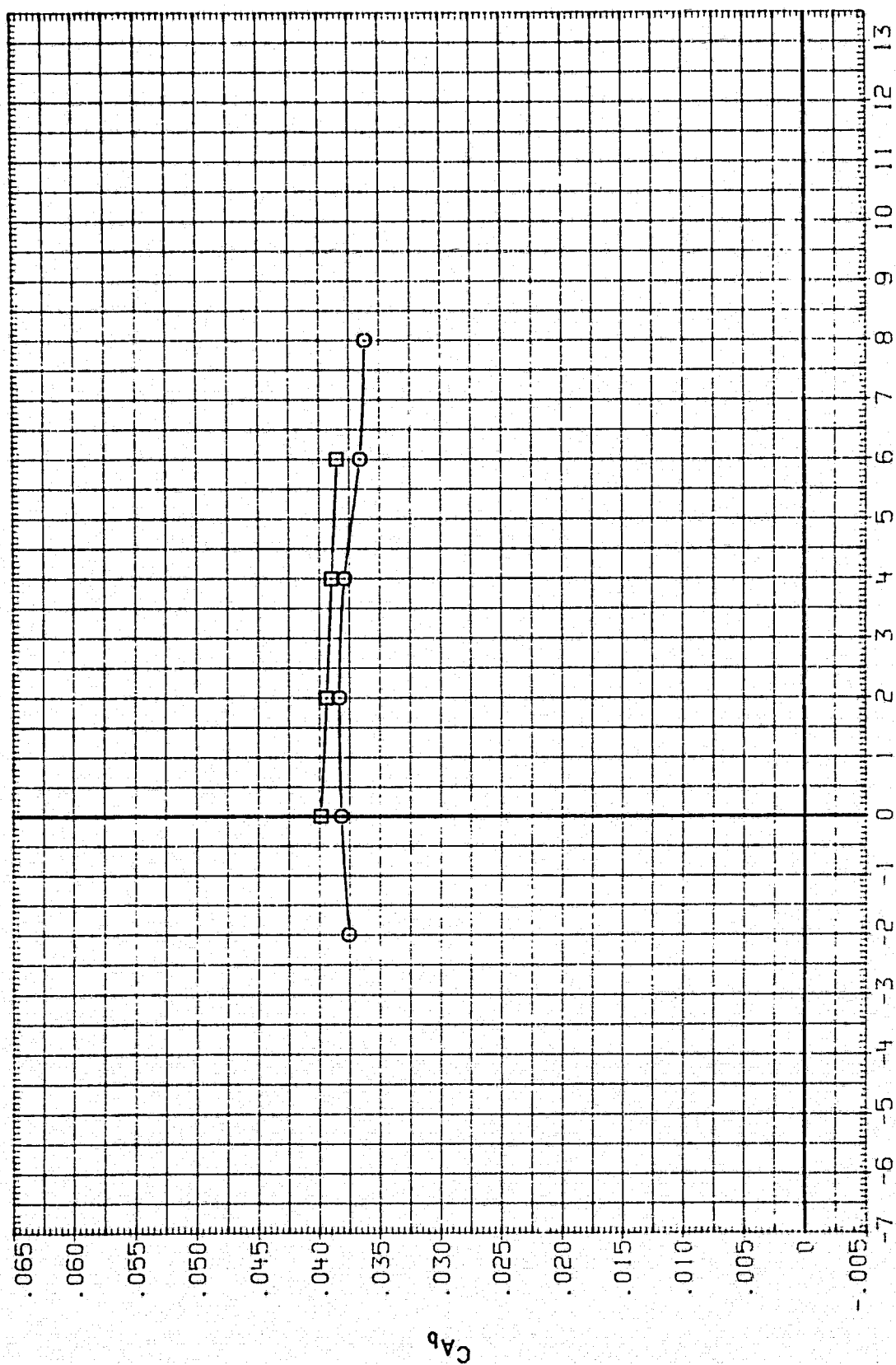


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(H)BETA = 2.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	PHI-ML	PHI-MR	ELV-L	BDCLAP
APFD01	0	0A163B	B58C12G20M16N28W127E5F10V8P5X911	5.000	30.800	5.000	32.200	32.200	.000	.000
APFD05	□	0A163B	B68C12G20M16N28W127E5F10V8P5X911	5.000	30.800	5.000	32.200	32.200	5.000	.000

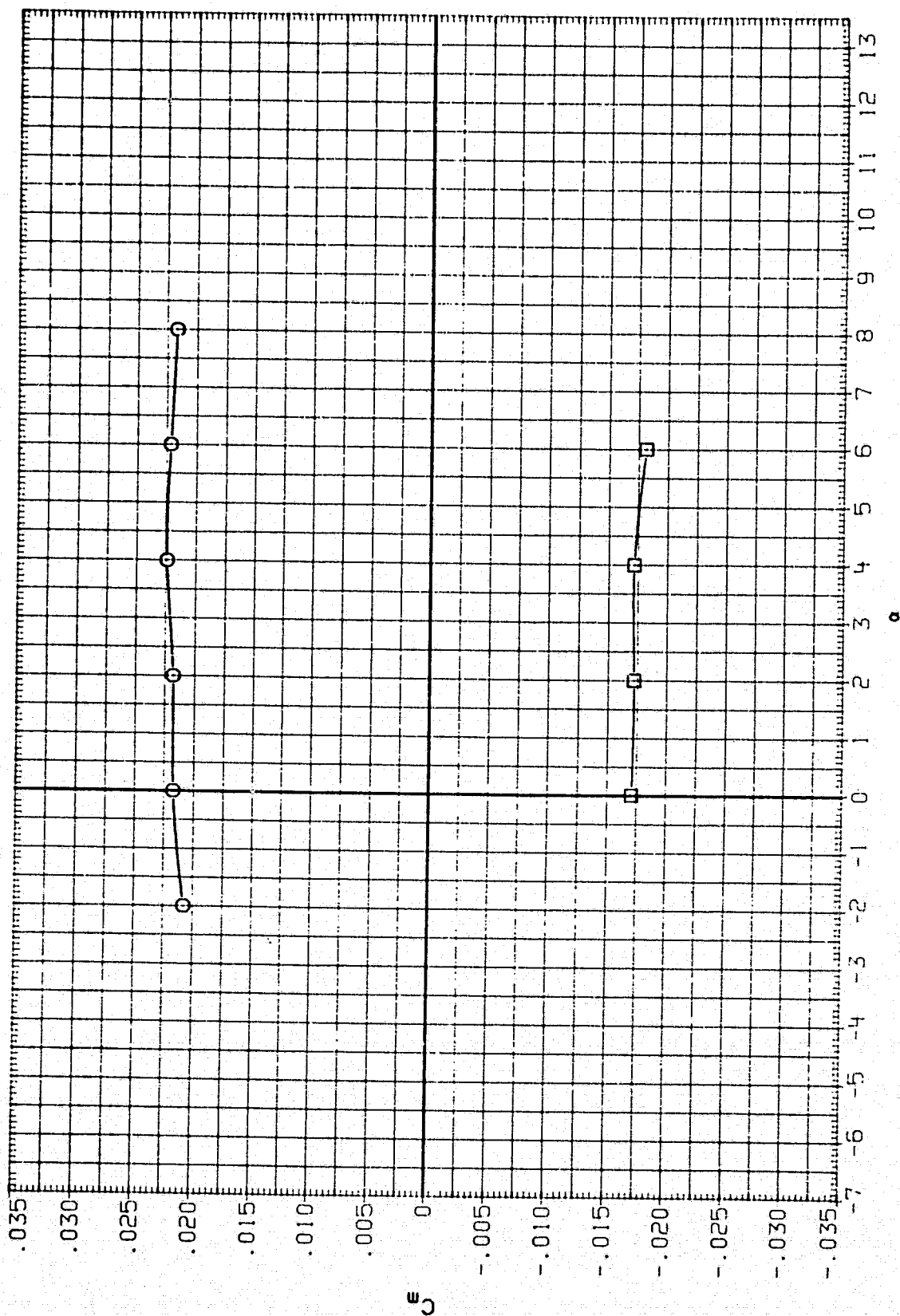


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(H)BETA = 2.00

DATA SET SYMBOL

AFPP01
AFPP05

□

CONFIGURATION

OA1639 B58C12G20M16N28M127E5F10V8R5X911
OA1639 B68C12G20M16N28M127E5F10V8R5X911

THETAN 5.000 5.000
PHI-N 30.800 30.800
THETMR 5.000 5.000
PHI-ML 32.200 32.200
PHI-MR 32.200 32.200
ELV-L 5.000 5.000
BDFLAP .000 .000

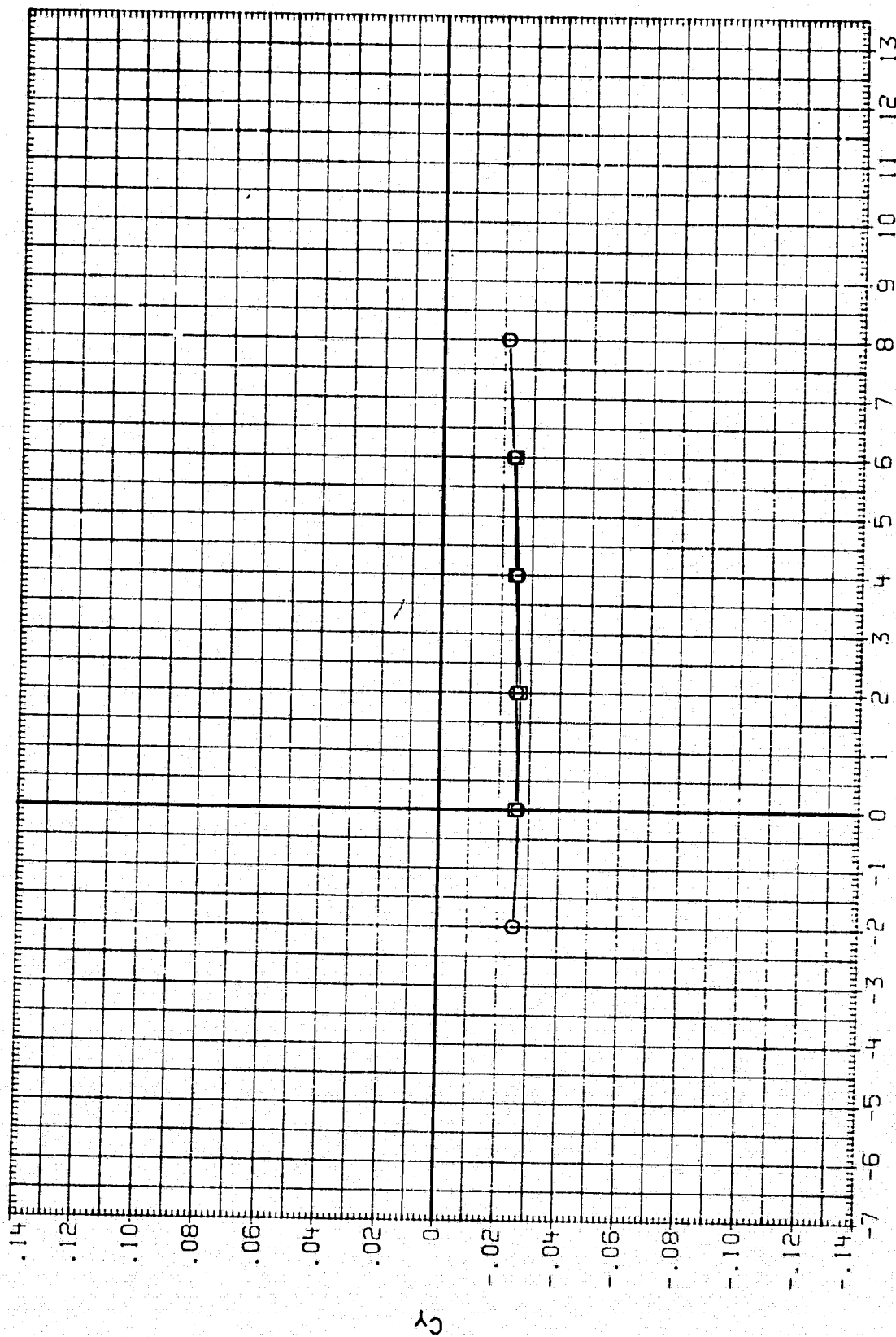


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(H)BETA = 2.00

DATA SET SYMBOL		CONFIGURATION		THETA	PHI-N	THE7ML	THE7MR	PHI-ML	PHI-MR	ELV-L	BDFLAP
ATPF01	0	0A1639	B68C12620M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
ATPF05	□	0A1638	B68C12620M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

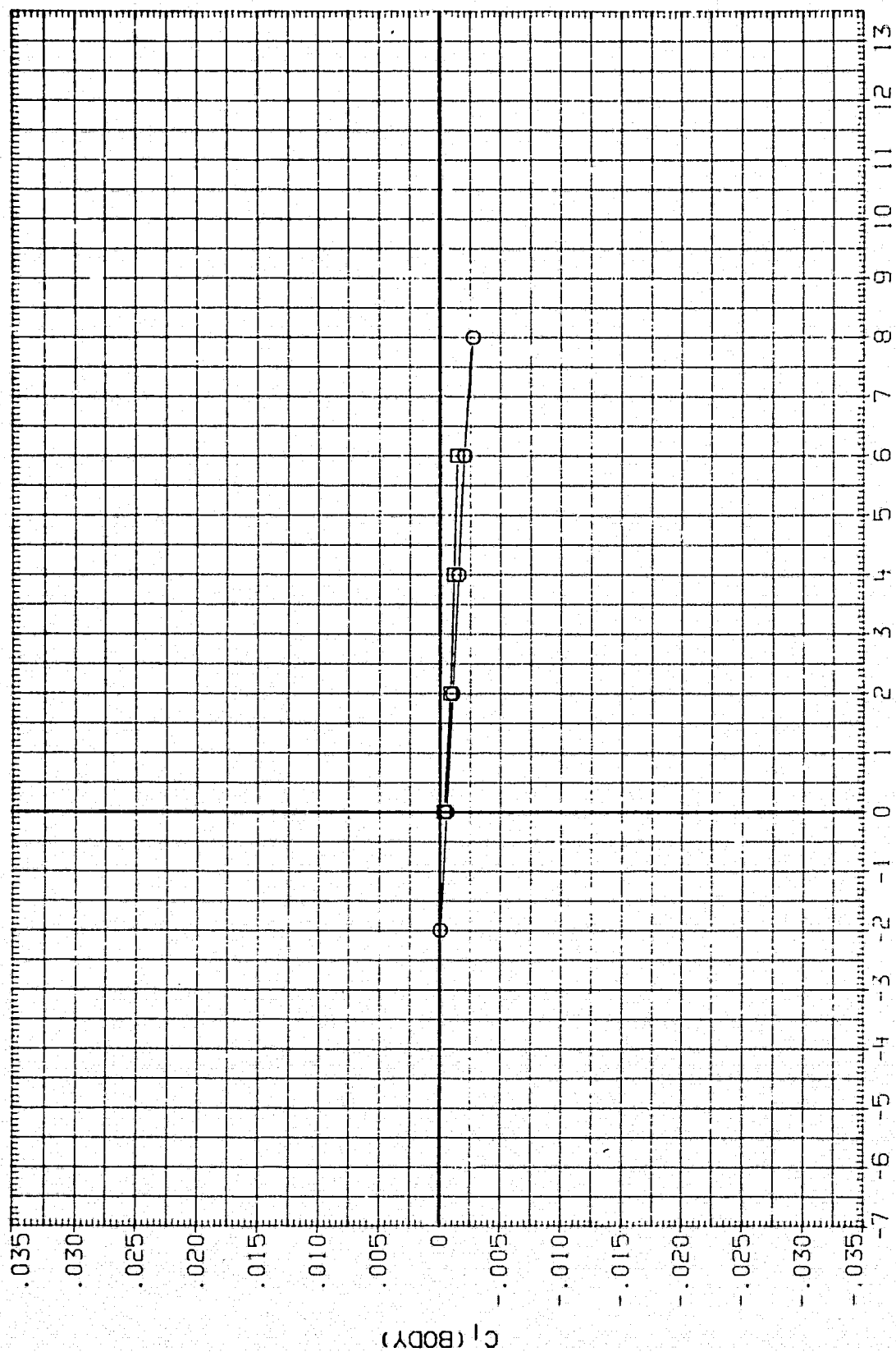


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL		CONF IDURATION		THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
AFPF01	0	0A1638	B68C12620M15N284127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A1638	B68C12620M16N284127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

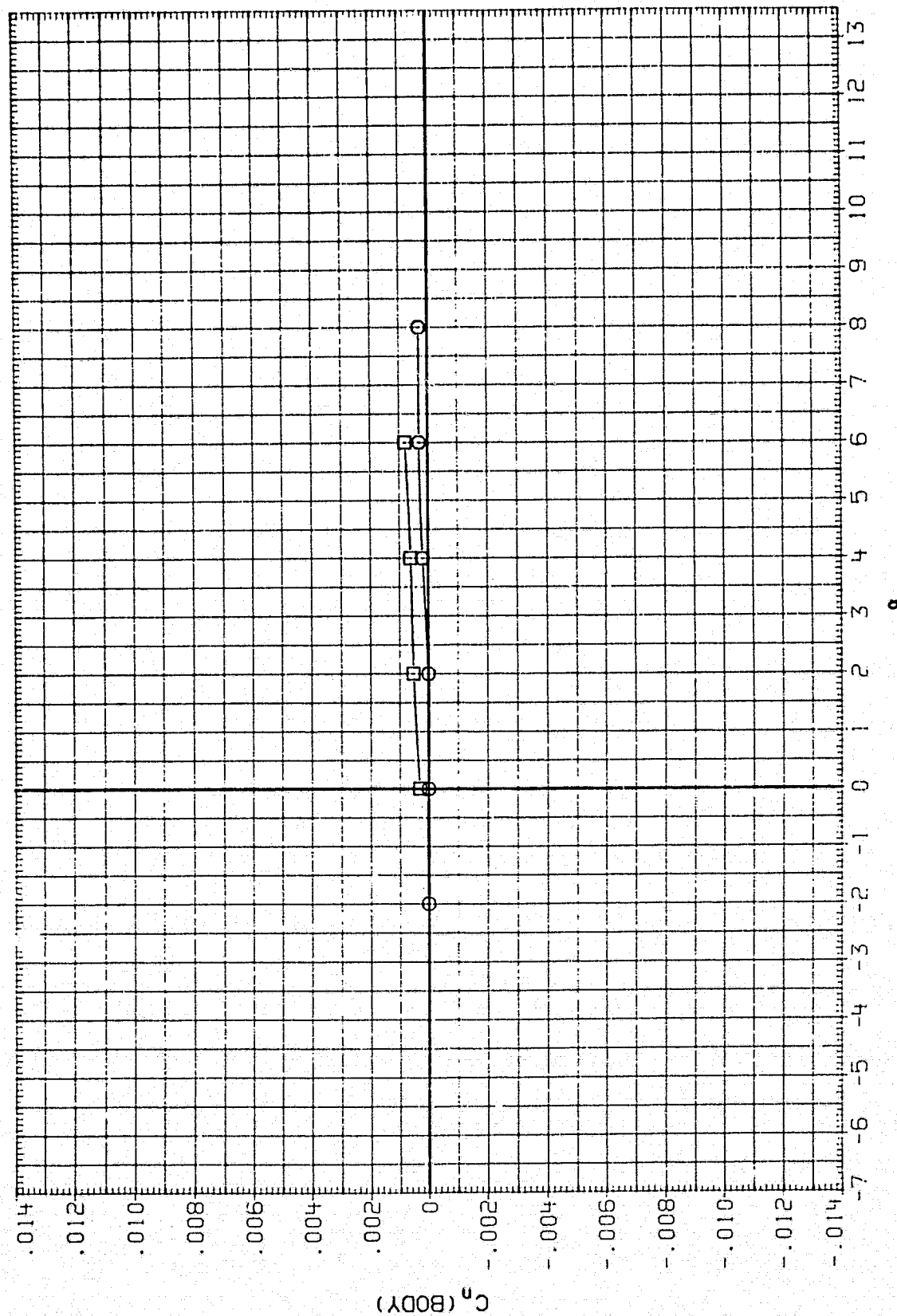


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(H) BETA = 2.00

DATA SET SYMBOL
 AFPF01
 AFPF05

CONF IGURATION
 0A1638 B68C12G20M16N28W127E5F10V8R5X911
 0A1638 B68C12G20M16N28W127E5F10V8R5X911

THETAN PHI-N THETML THETMP PHI-ML PHI-MR ELV-L BDFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000
 5.000 30.800 5.000 5.000 32.200 32.200 .000

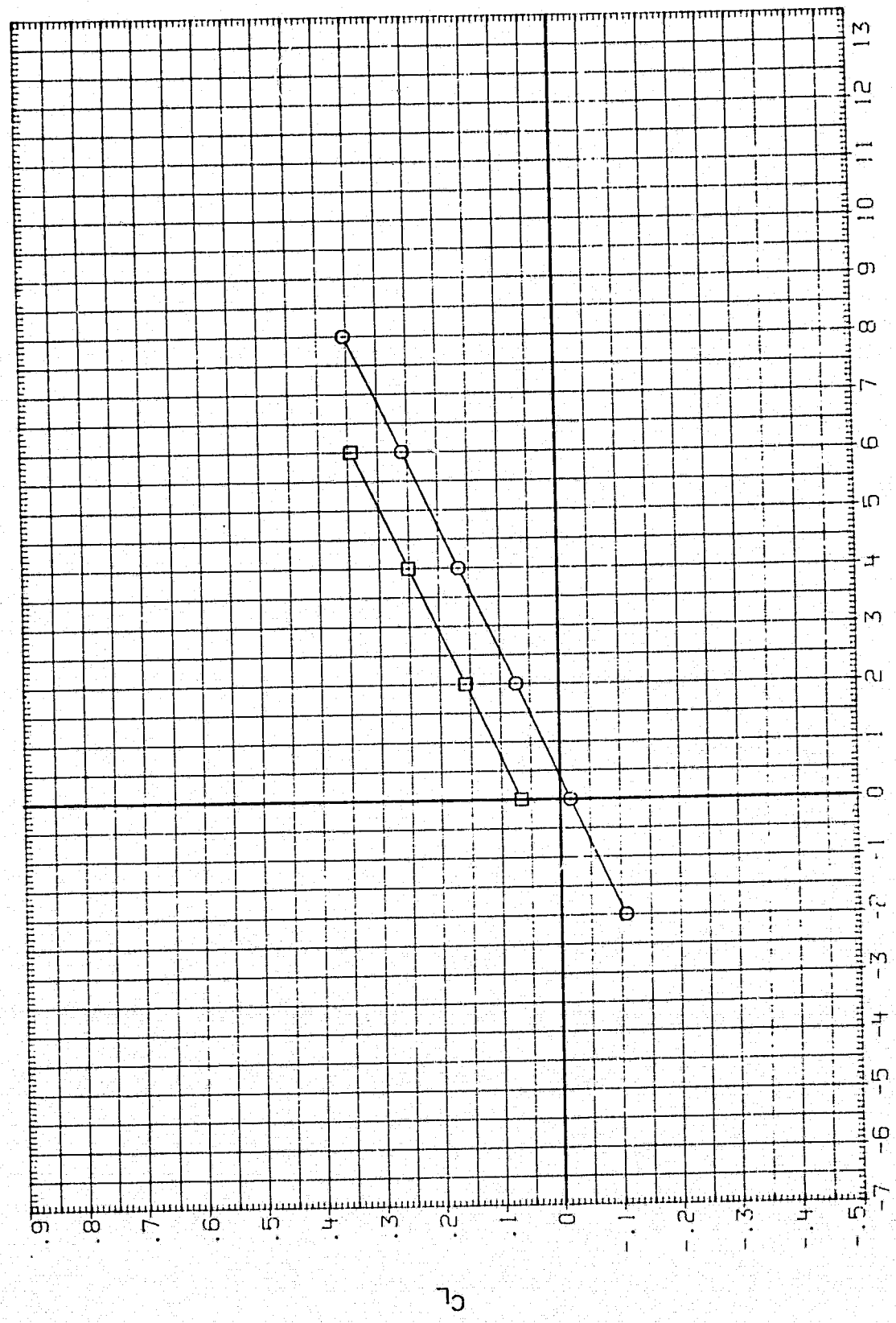


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	PHI-ML	PHI-MR	ELV-L	BOFLAP
APFD01	0A163B B68C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	32.200	32.200	.000	.000
APFD05	0A163B B68C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	32.200	32.200	5.000	.000

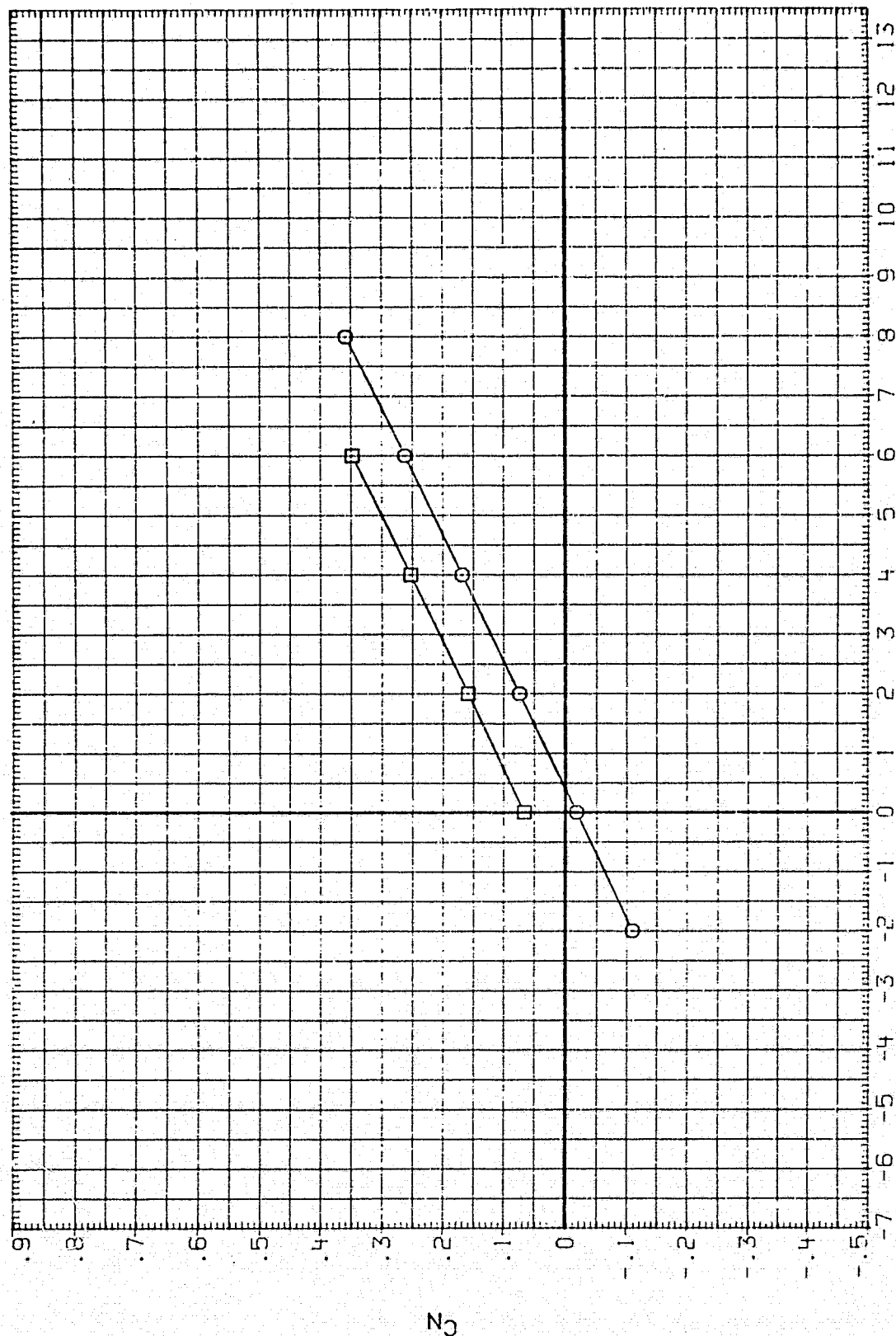


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL CONFIGURATION THEI-N PHI-N THE-TM THE-MR PHI-ML PHI-MR ELV-L BDT-LAP

AFPF01 0A163B B68C12G20M16I28N127E5F 10V8P5X911

AFPF05 0A163B B68C12G20M16I28N127E5F 10V8P5X911

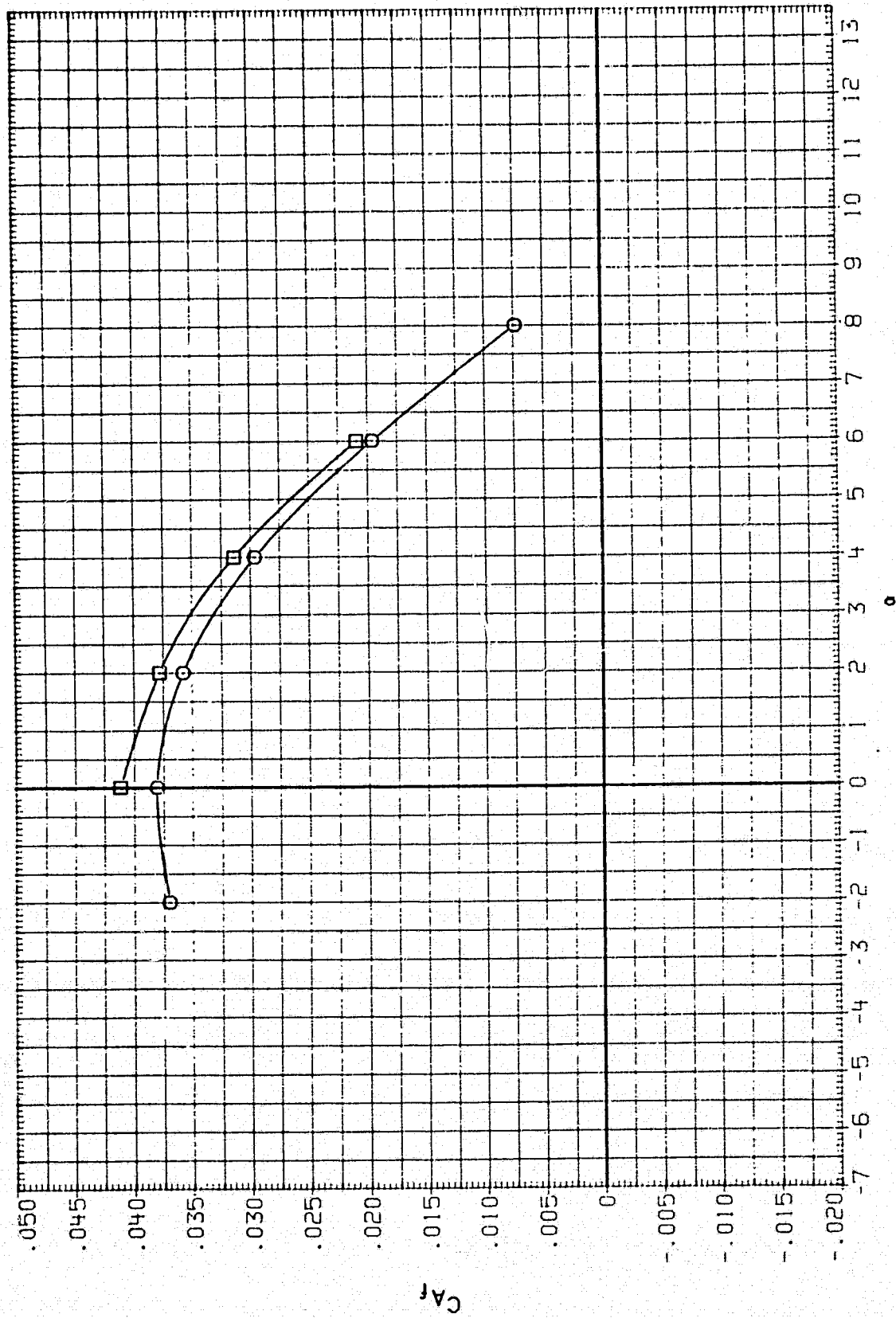


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL

AFPF01
AFPF05

CONF IGURATION

0A163B B68C12G20M16N28M127E5F10V8R5X911
0A163B B68C12G20M16N28M127E5F10V8R5X911

THE TAN PHI-N THE TML THE TMR PHI-ML PHI-MR ELY-L BOFLAP
5.000 30.800 5.000 32.200 32.200 .000
5.000 30.800 5.000 32.200 32.200 .000

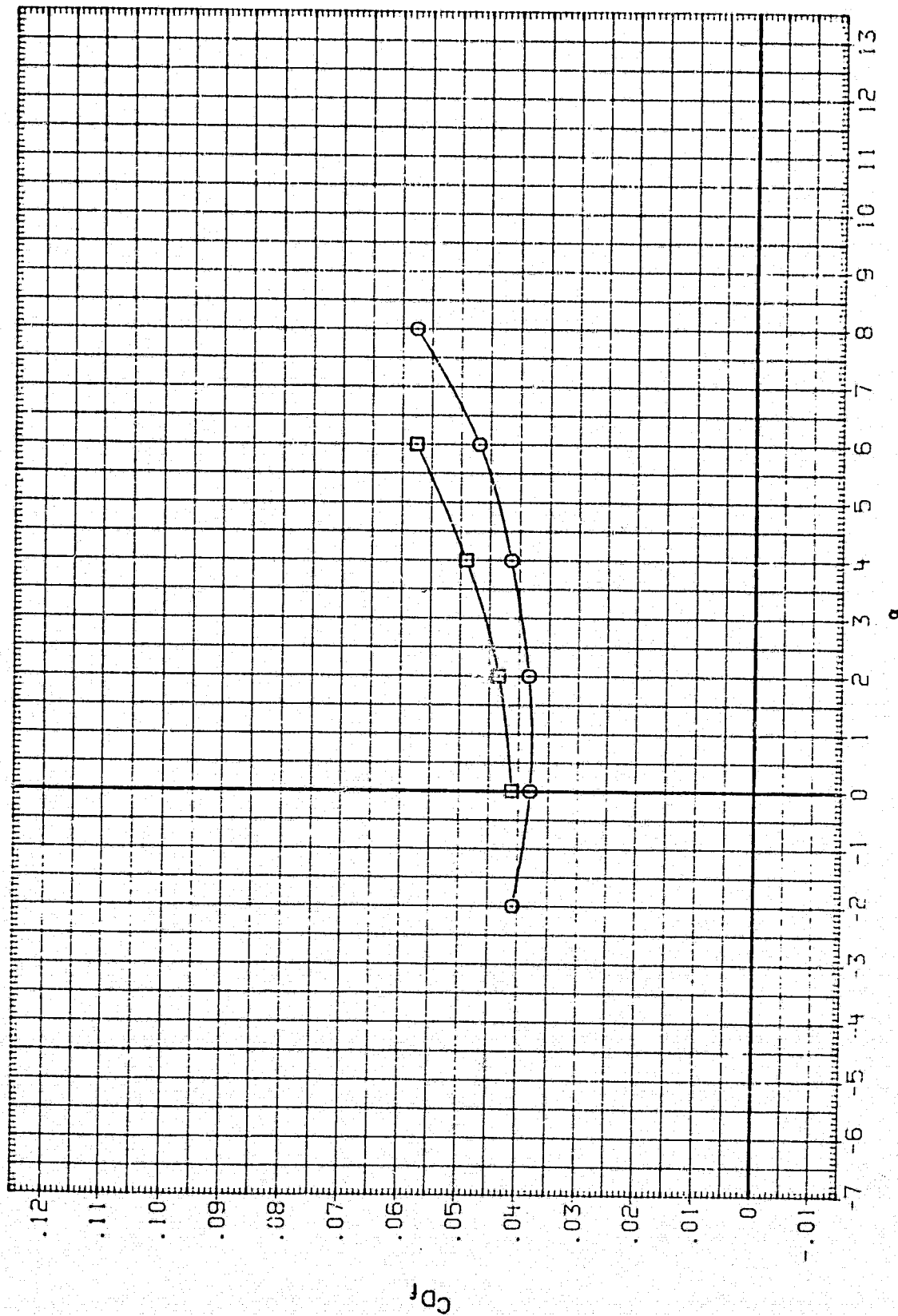


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL
 AFPF01 ☐ OAI 638 B68C12G20M16128M127E5F 10V8R5X911
 AFPF05 ☐ OAI 638 B68C12G20M16128M127E5F 10V8R5X911

CONFIGURATION

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000
 5.000 30.800 5.000 5.000 32.200 32.200 .000

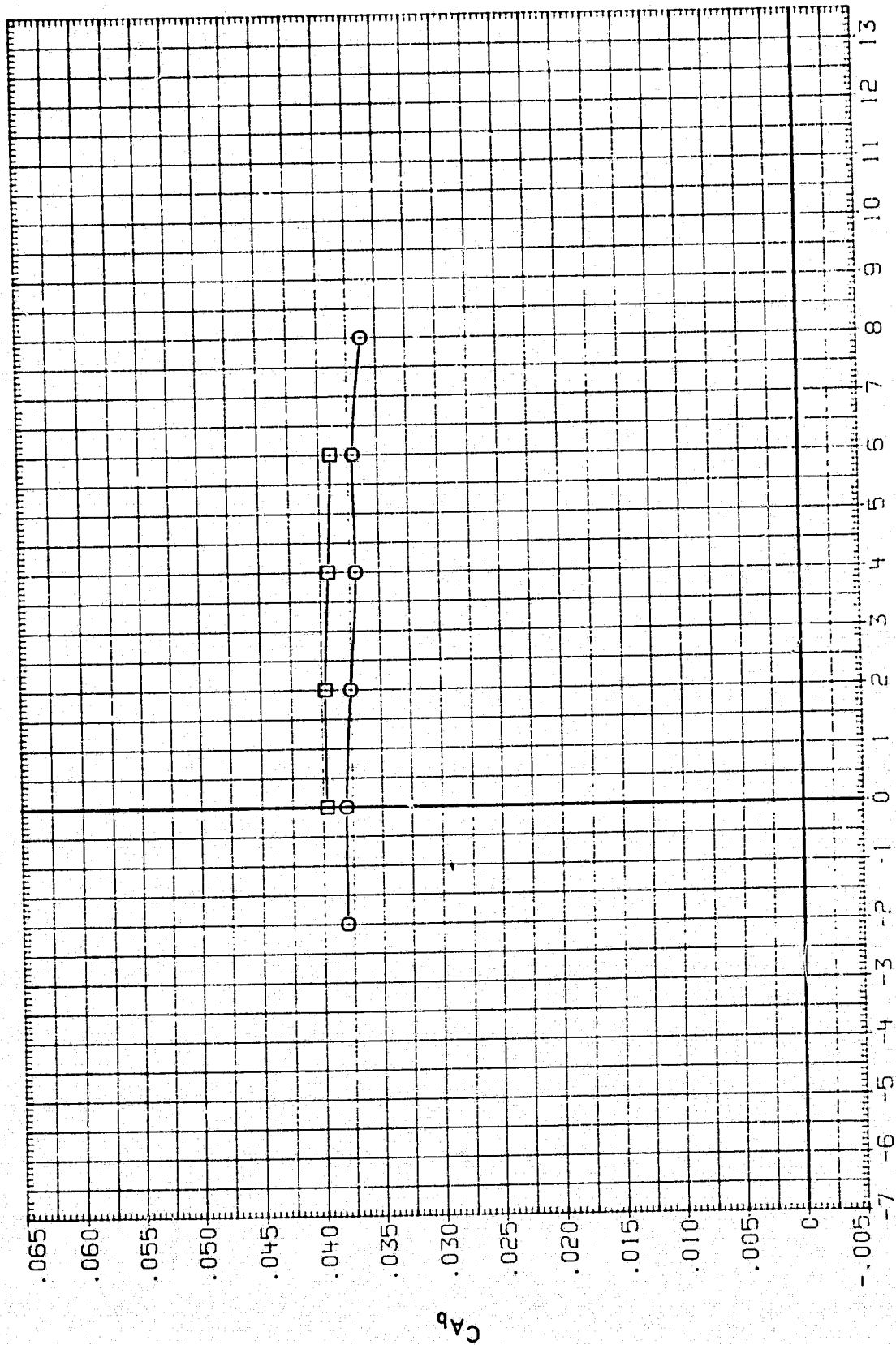


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL	CONFIGURATION	THL TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
APPF01	0A163B B6BC12020M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
APPF05	0A163B B6BC12020M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

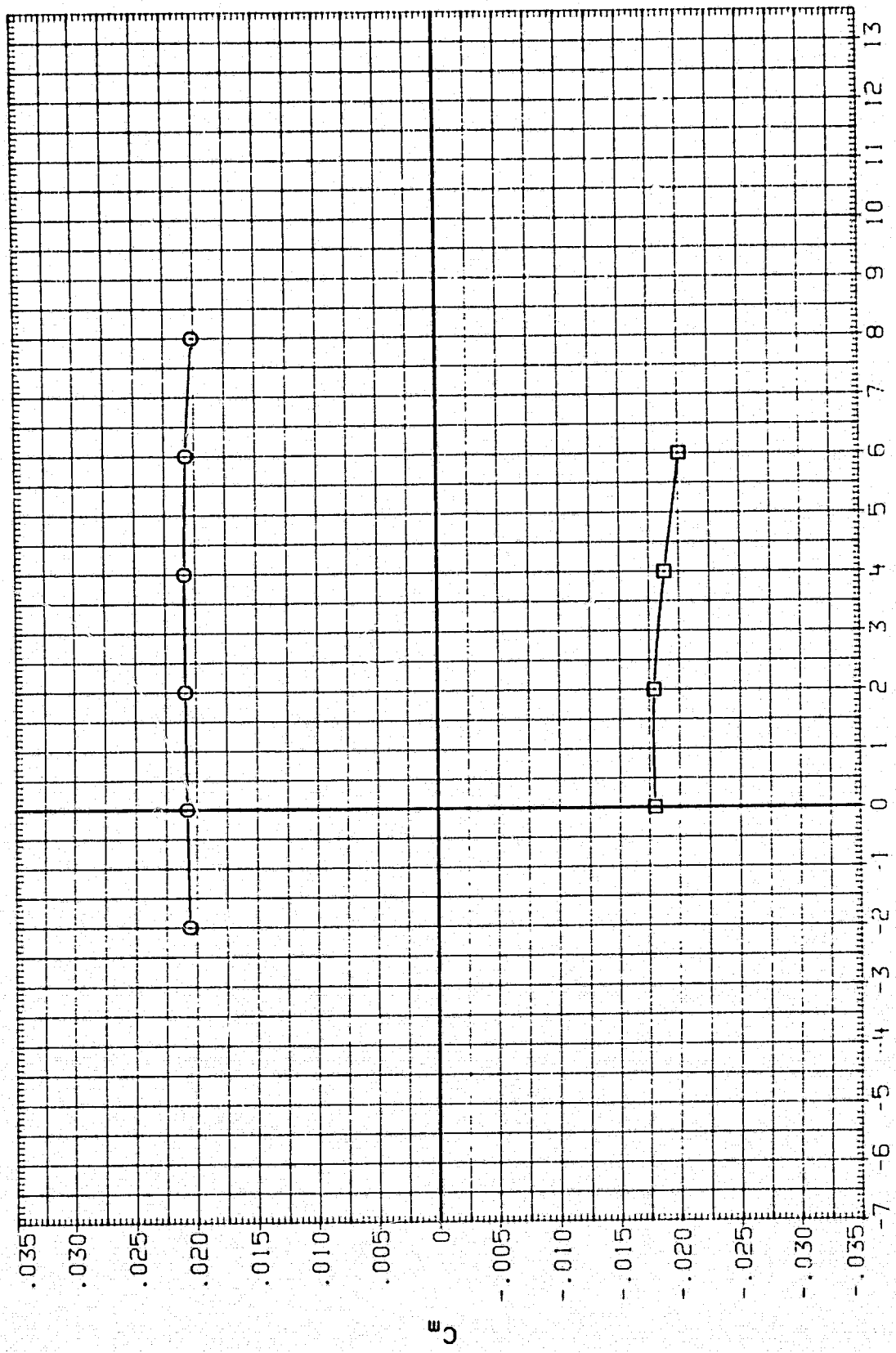


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL
 AFF01
 AFF05

CONFIGURATION

0A1638 B68C12G20M16N28W127E5F 107BP5X911
 0A1638 B68C12G20M16N28W127E5F 10VBR5X911

THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

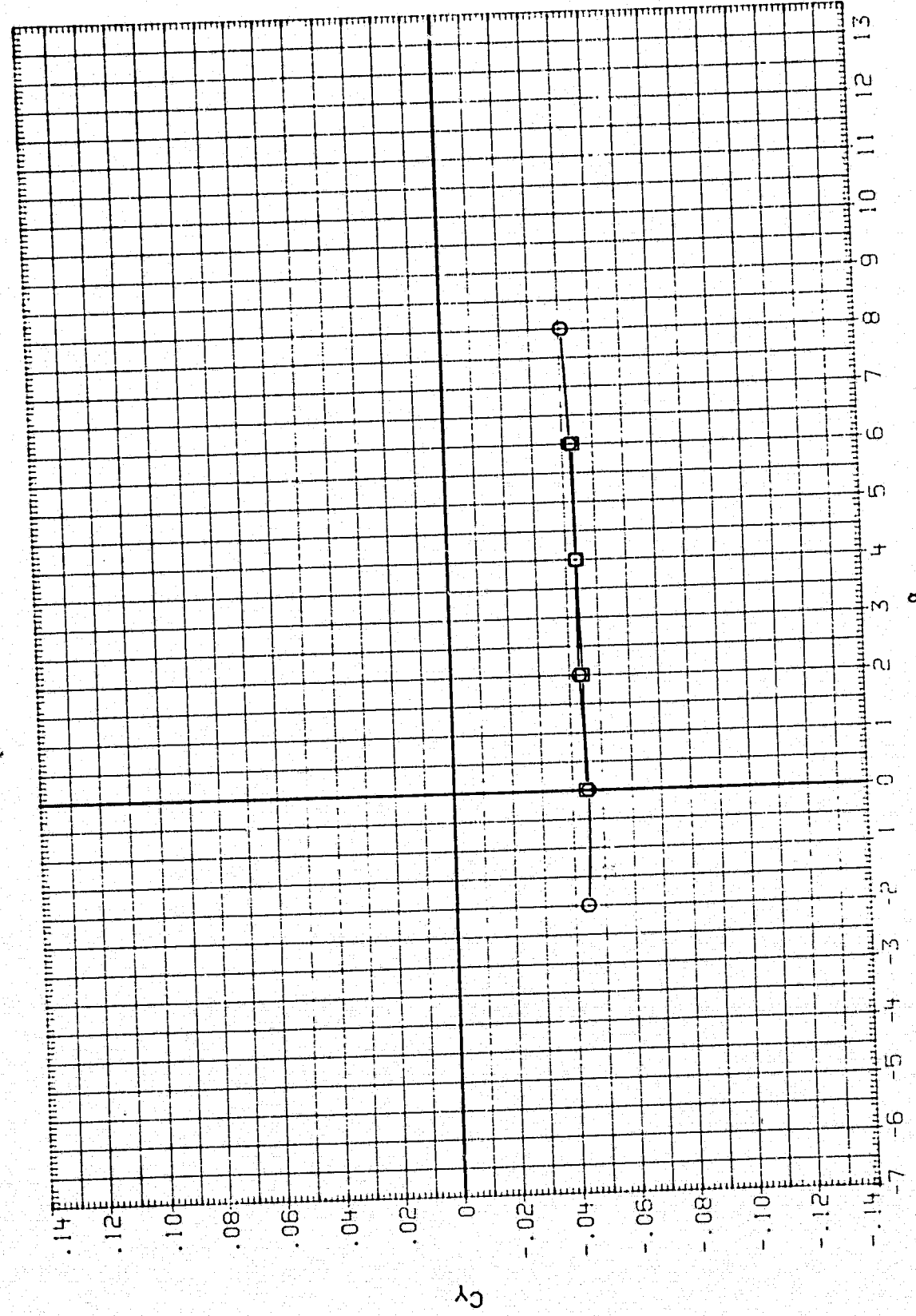


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	OA163B B68C12G20M16N28M127E5F 10*8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	OA163B B68C12G20M16N28M127E5F 10*8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000

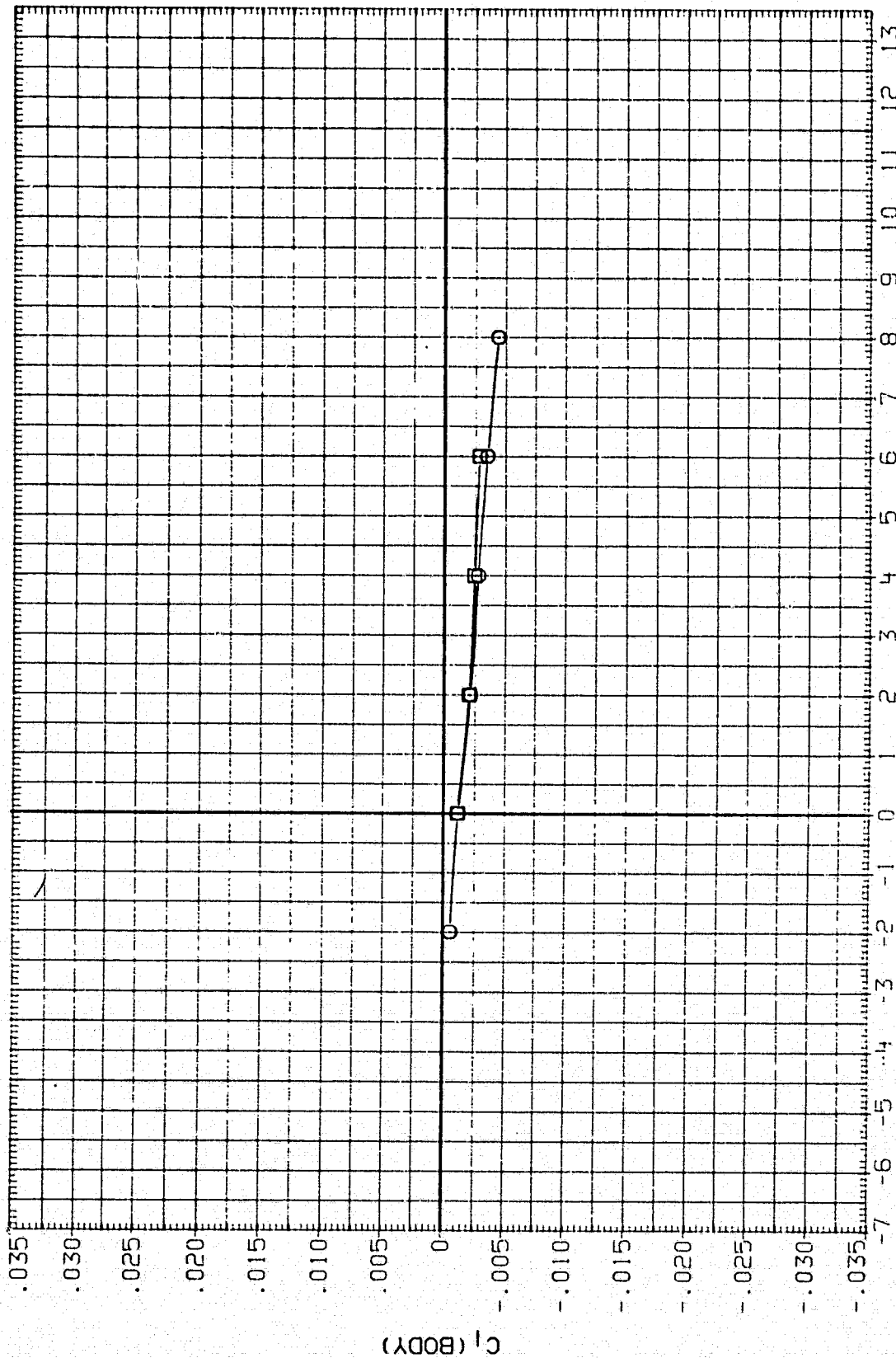


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI -N	THETML	THEIMR	PHI -ML	PHI -MR	ELV-L	BOFLAP
AFPF01	0A153B B68C12G20M16N28M127E5F 10VBRSX911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A153B B68C12G20M16N28M127E5F 10VBRSX911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

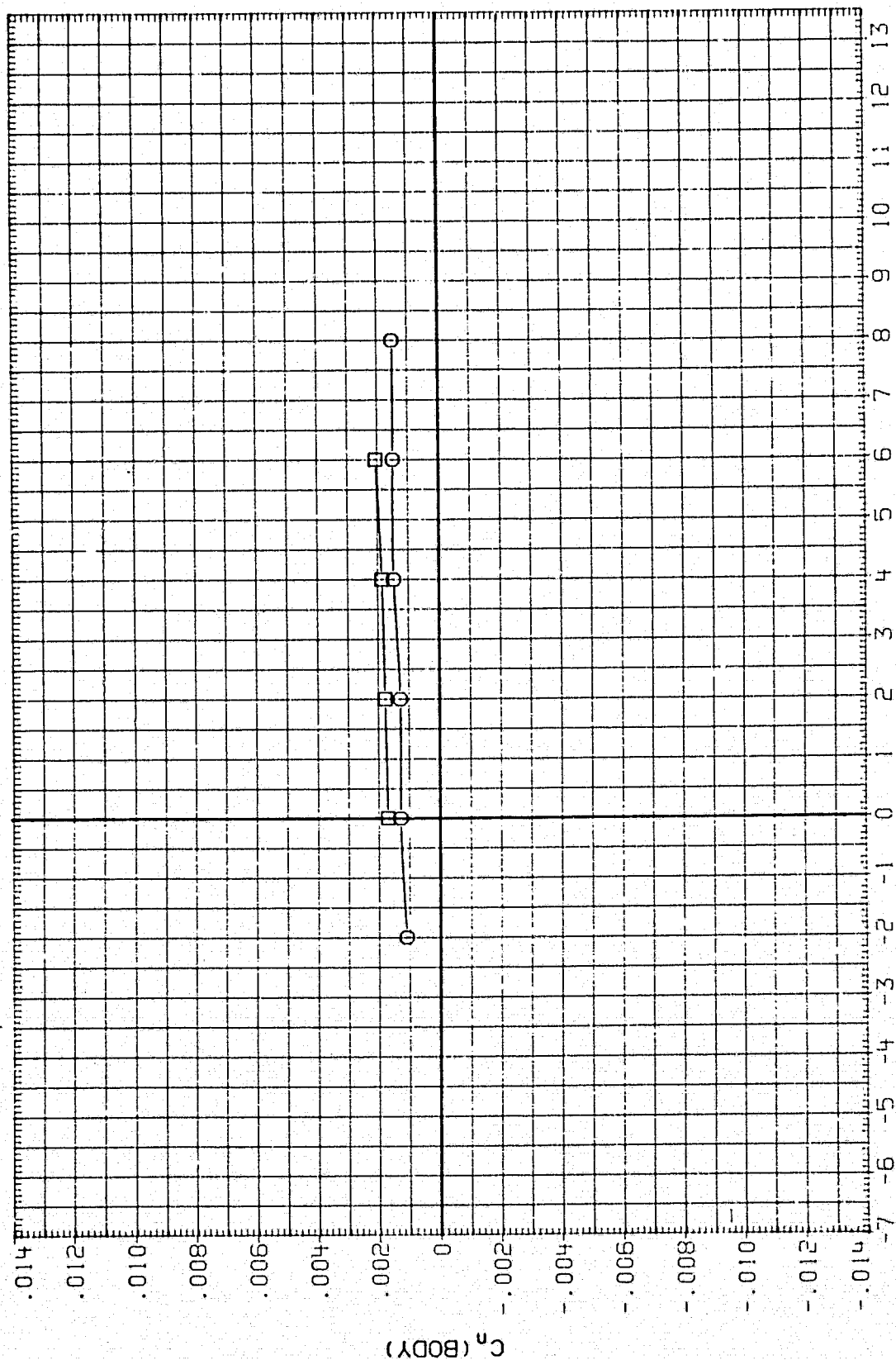


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL
AFPF01
AFPF05

CONF IGURATION
0A1638 B68C12G20M16N28W127E5F 10VBR5X911
0A1638 B68C12G20M16N28W127E5F 10VBR5X911

THE TAN 5.000 5.000
PHI-N 30.800 30.800
THE TML 5.000 5.000
THE TMR 5.000 5.000
PHI-ML 32.200 32.200
PHI-MR 32.200 32.200
ELV-L 5.000 5.000
BDF LAP .000 .000

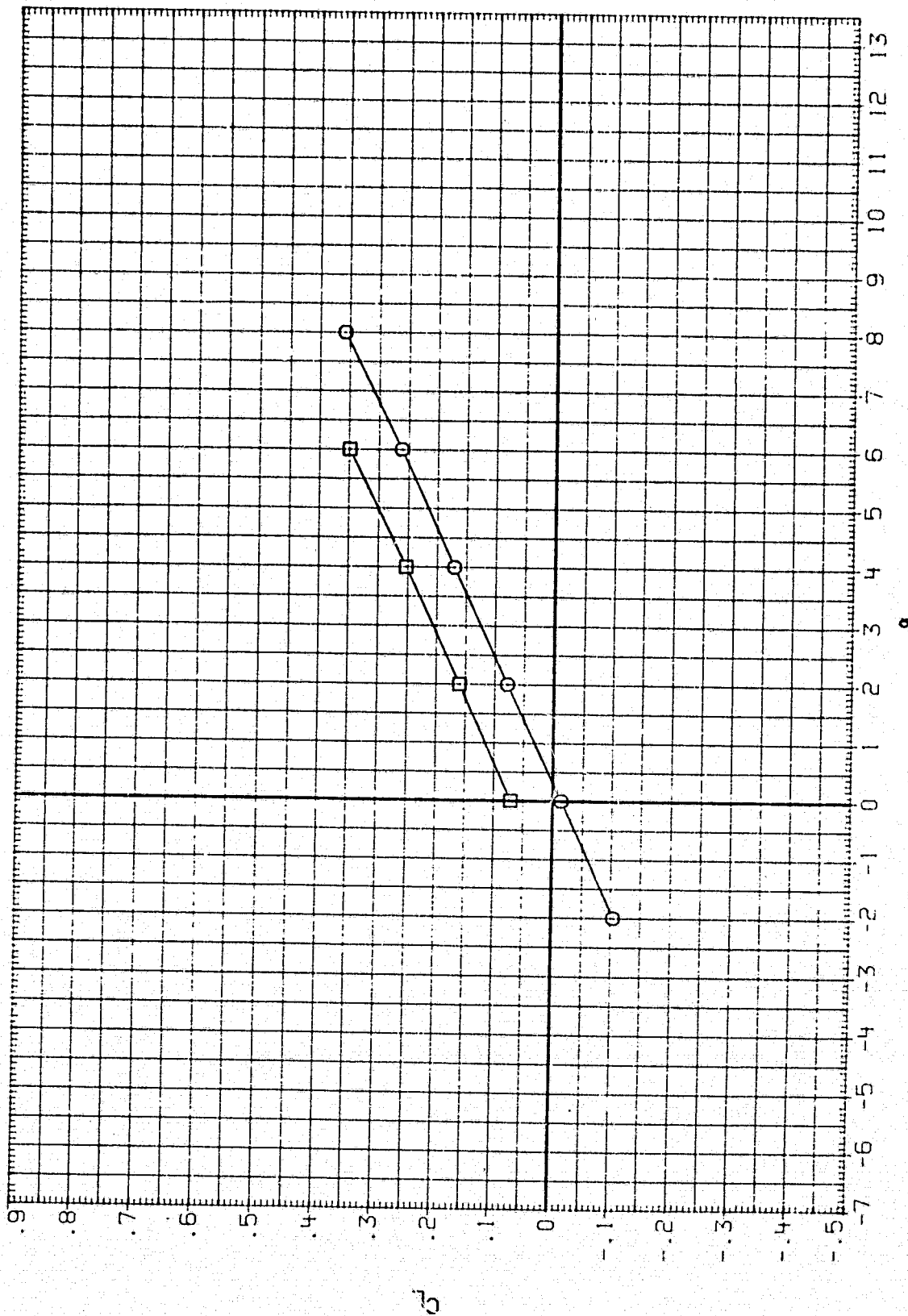


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(J) BETA = 4.00

DATA SET SYMBOL
 AFPP01
 AFPP05

CONFIGURATION

OA163B B68C12G20M16N28W127E5F 10V8R5X911
 OA163B B68C12G20M16N28W127E5F 10V8R5X911

THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	SDFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000

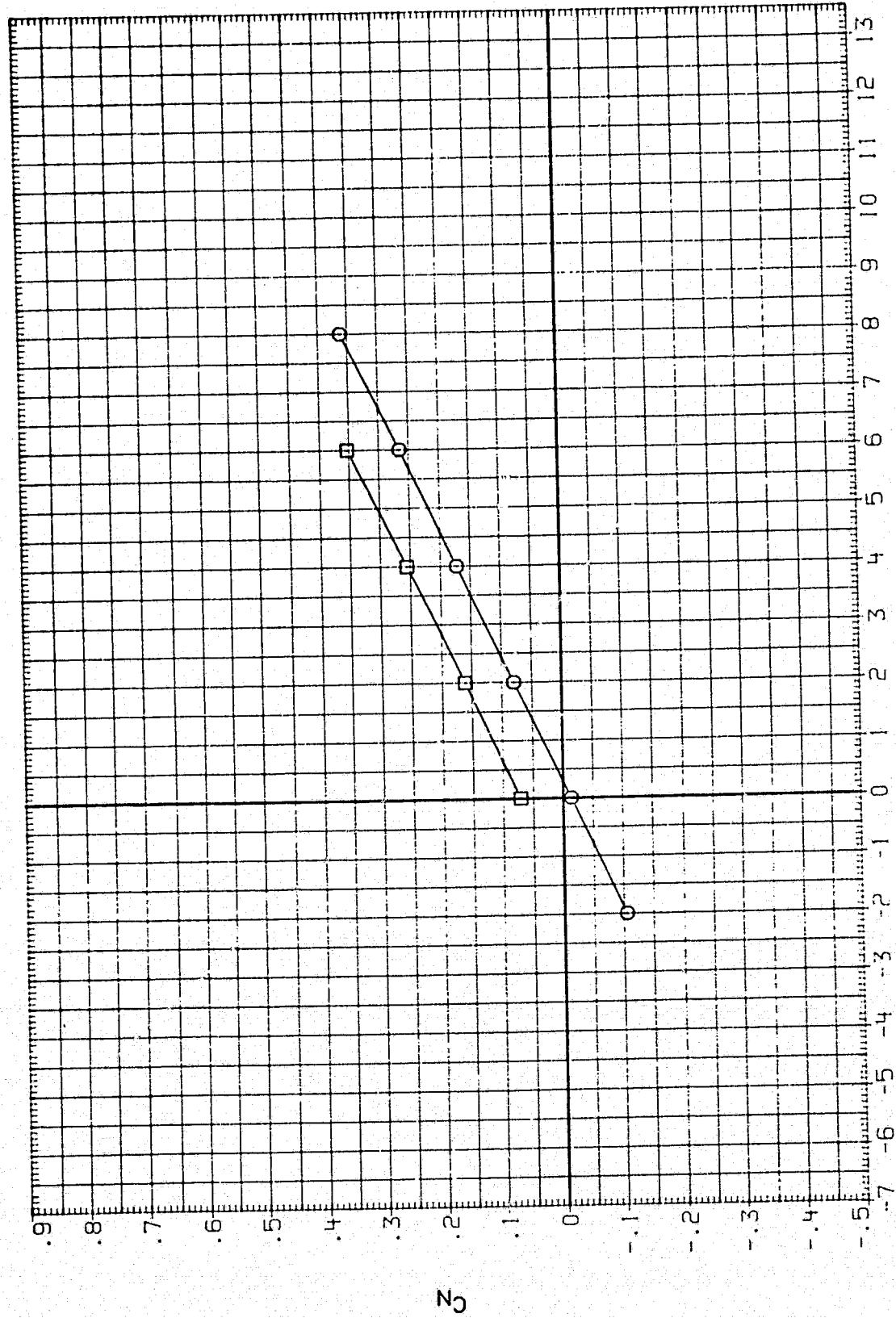


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(J)BETA = 4.00

DATA SET SYMBOL
 APPF01 ☐ 0A1638 B68C12G20M16N28W127E5F 10V8R5X911
 APPF05 ☐ 0A1638 B68C12G20M16N28W127E5F 10V8R5X911

CONF IGURATION

THETAN 5.000 5.000
 PHI-N 30.800 30.800
 THETML 5.000 5.000
 THETMR 5.000 5.000
 PHI-ML 32.200 32.200
 PHI-MR 32.200 32.200
 ELV-L 5.000 5.000
 BDFLAP .000 .000

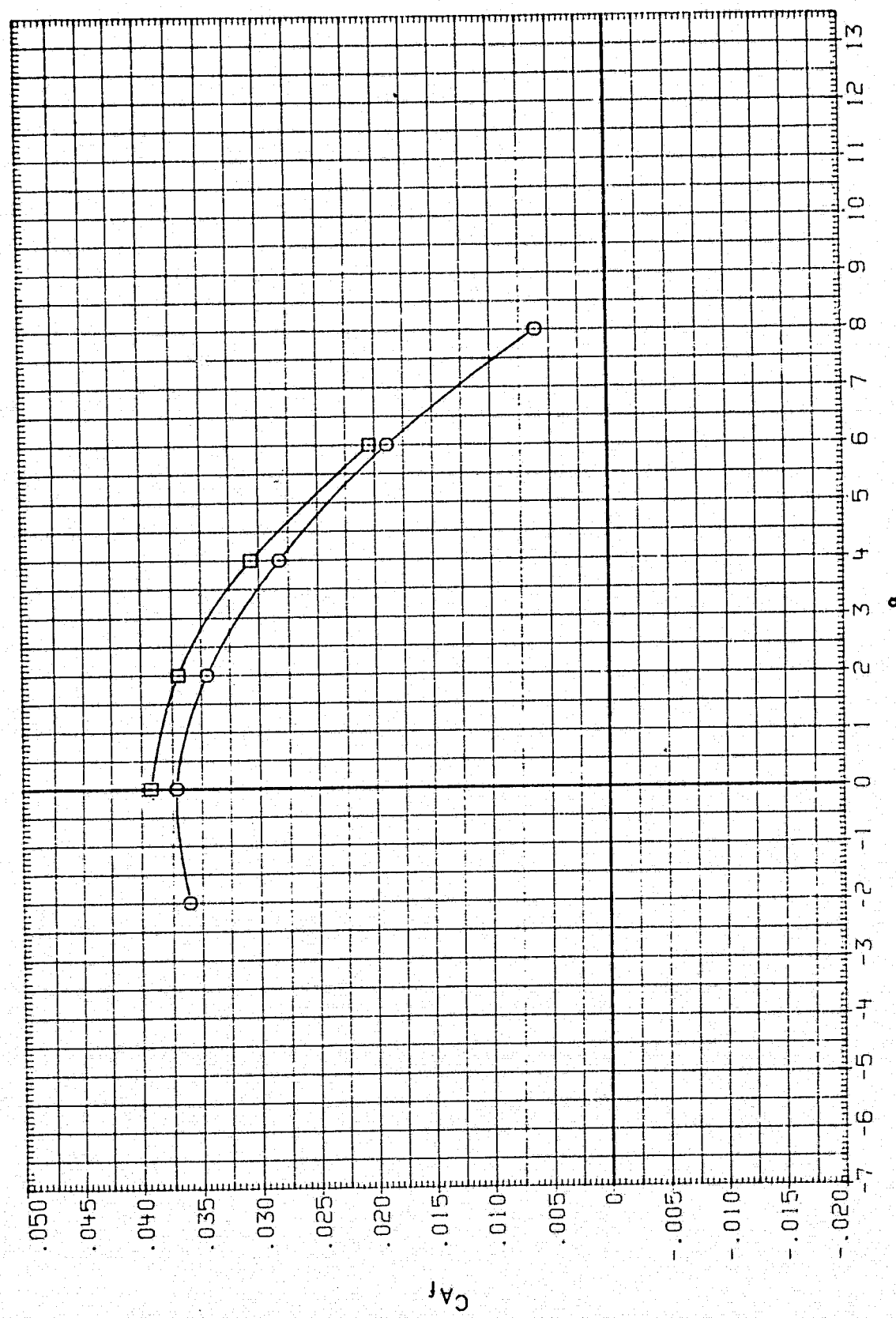


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(J)BETA = 4.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-N	THE TML	THE TMP	PHI-ML	PHI-MR	ELV-L	BD FLAP
AFPF01	OA153B B69C12G20M16128H127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	OA153B B68C12G20M16128H127E5F10V3P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	

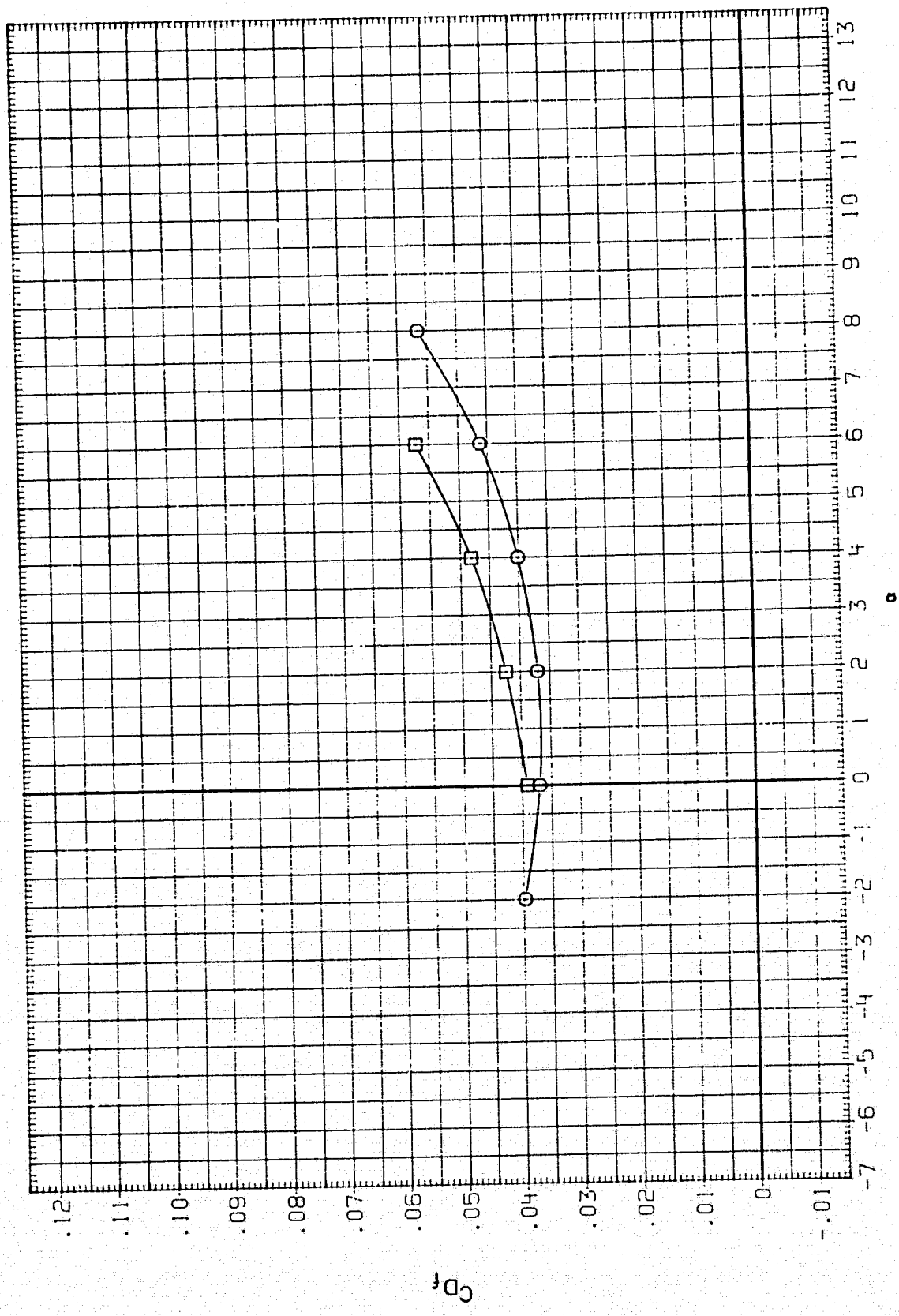


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET	SYMBOL	COEF 10URATION				PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	○	0A163B	B68C12G20M16N28M127E5F	10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	□	0A163B	B68C12G20M16N28M127E5F	10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	

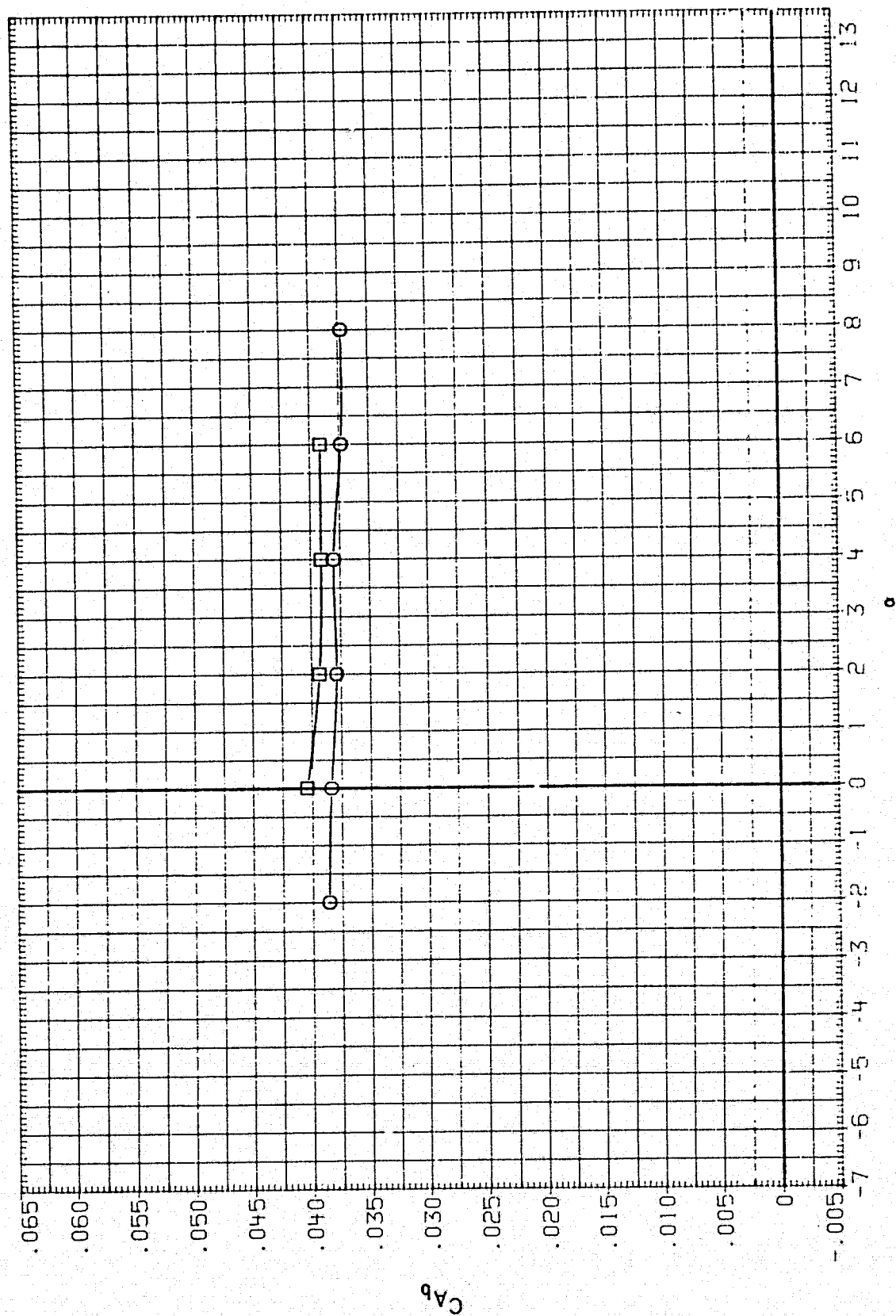


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(J)BETA 4.00

DATA SET SYMBOL		CONF IGURATION		THETAN	PHI-N	THEIML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	○	0A1638	B59C12G20M16A28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A1639	B68C12G20M16A28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

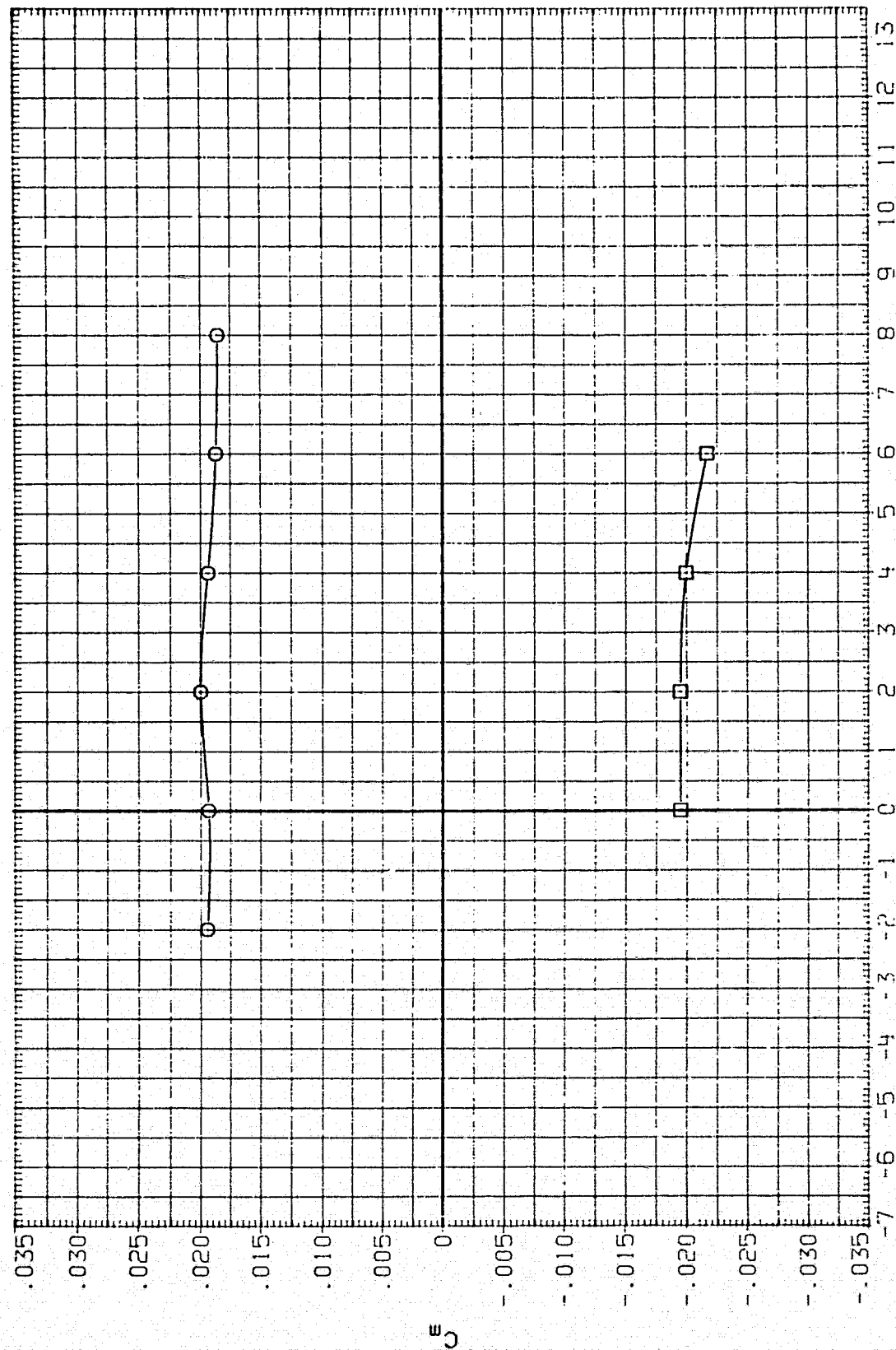


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPP01	0A163B B68C12G20M16N28H127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPP05	0A163B B68C12G20M16N28H127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000

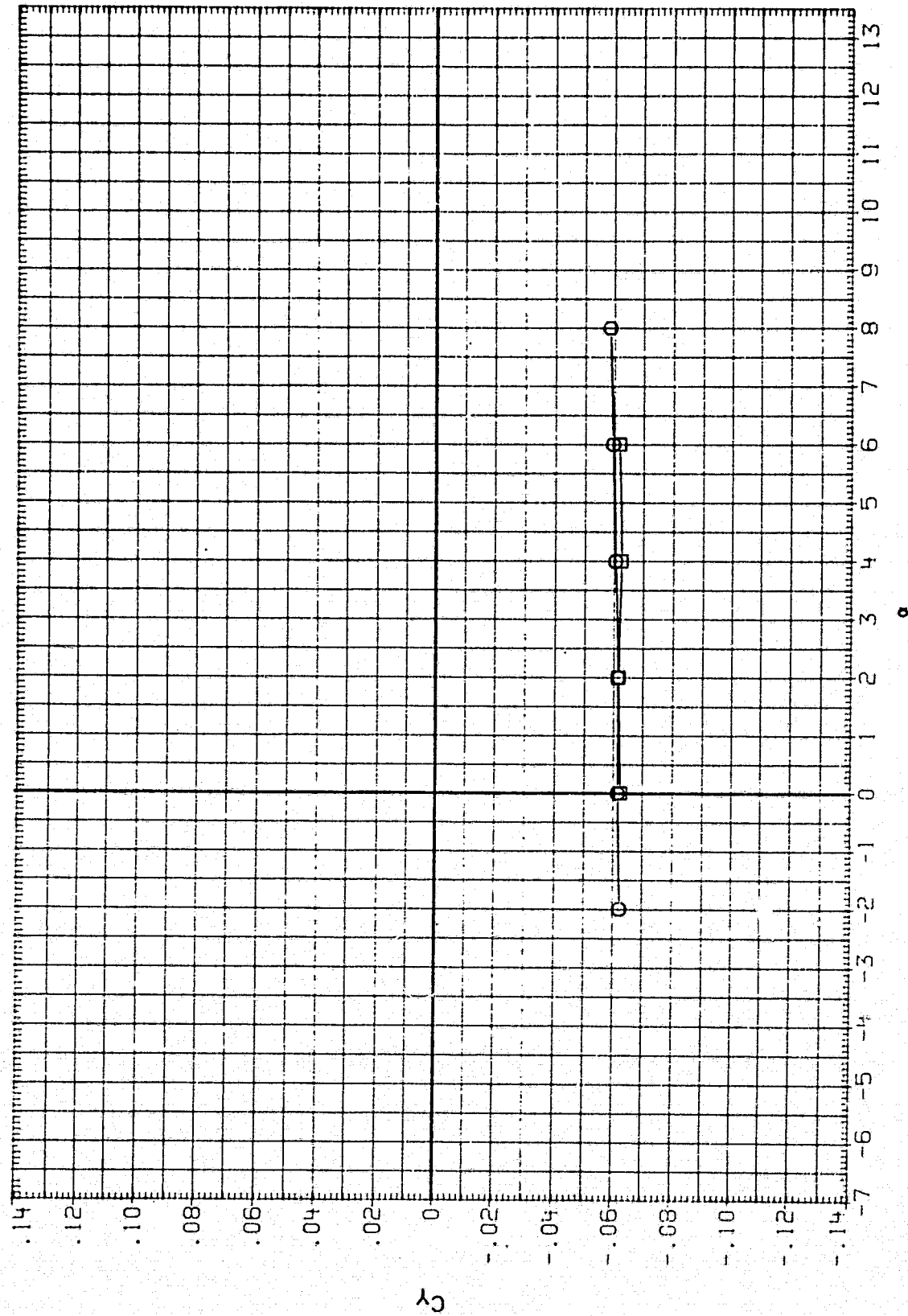


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(J)BETA = 4.00

DATA SET SYMBOL		CONFIGURATION		THE AN	PHI-N	THE ML	THE MR	PHI-ML	PHI-MR	ELV-L	BDF LAP
AFPF01	□	0A163B	B68C12G20M16N28W127E5F10V8R5X911	5.000	" 000	5.000	5.000	32.200	32.200	.000	.000
AFPF05	□	0A163B	B68C12G20M16N28W127E5F10V8R5X911	5.000	0.800	5.000		32.200	32.200	5.000	.000

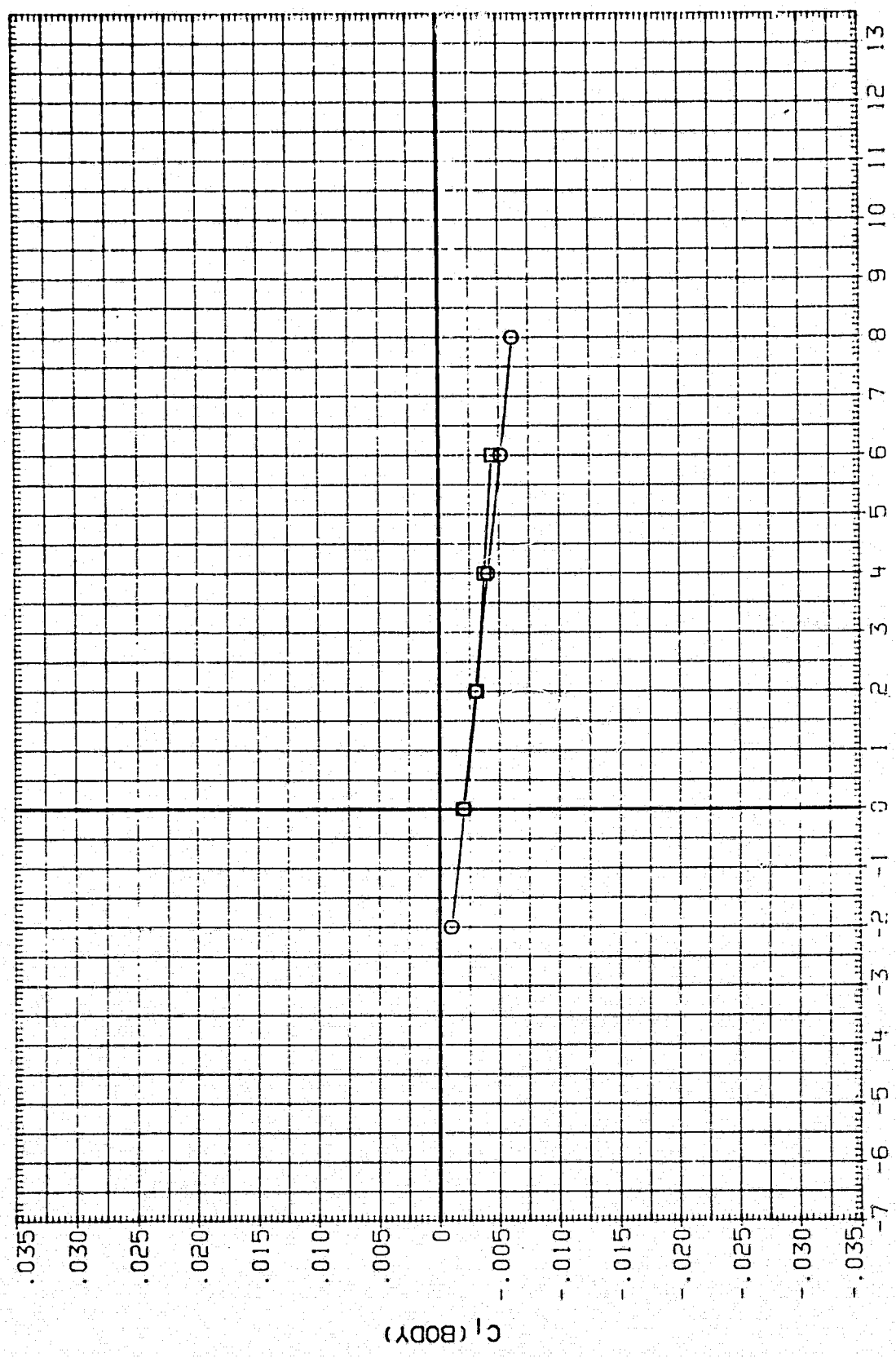


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(J) BETA = 4.00

DATA SET SYMBOL	CONFIGURATION	THETA	PHI-N	THEIM	THEIMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
APPF01	0A163B B68C12G20M16N28W127E5F10VR5X911	5.000	30.800	5.00%	5.000	32.200	32.200	.000	.000
APPF05	0A163B B68C12G20M16N28W127E5F10VR5X911	5.000	30.800	5.00%	5.000	32.200	32.200	5.000	.000

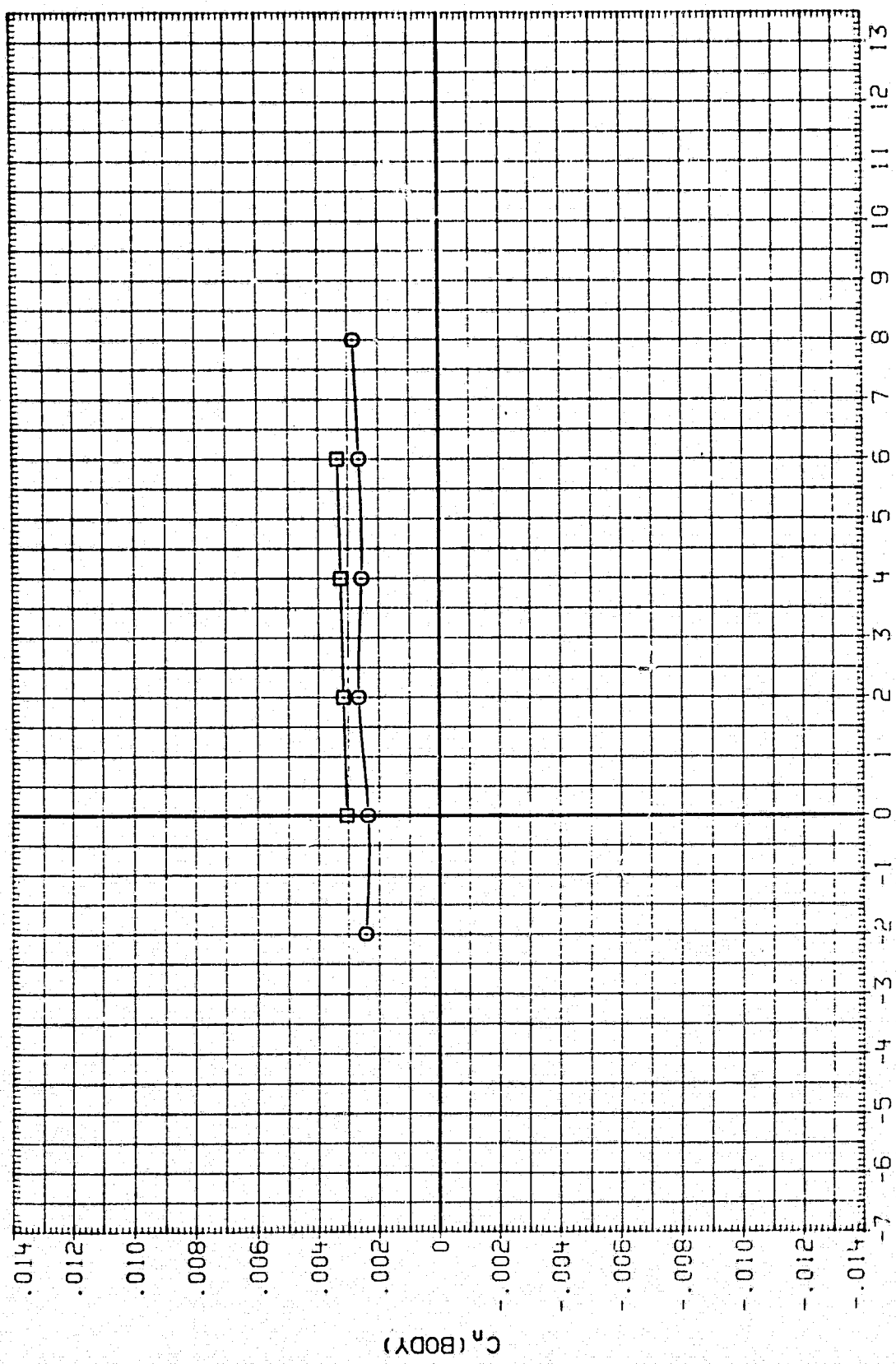


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-Z	BDFLAP
APPD01	0A163B B68C12G2D0M16128M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
APPF05	0A163B B68C12G2D0M16128M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	

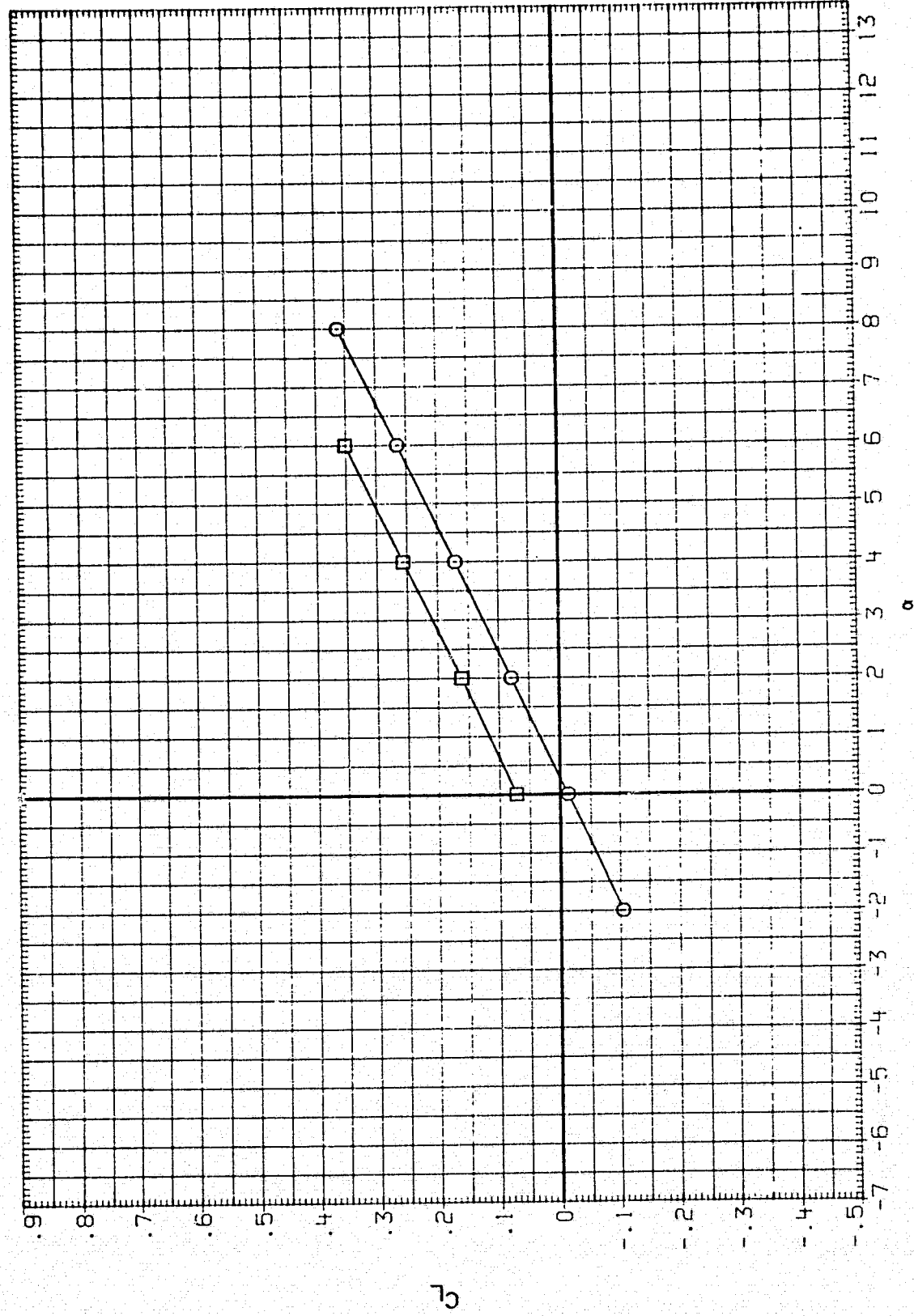


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL
 AFPE 01
 AFPE 05

CONF IGURATION

0A163B B68C12G20M16N28M127E5F10V8P5X911
 0A163B B68C12G20M16N28M127E5F10V8P5X911

THETAN PHI-N THETML THETMP PHI-ML PHI-MR ELV-L BDCLAP
 5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000

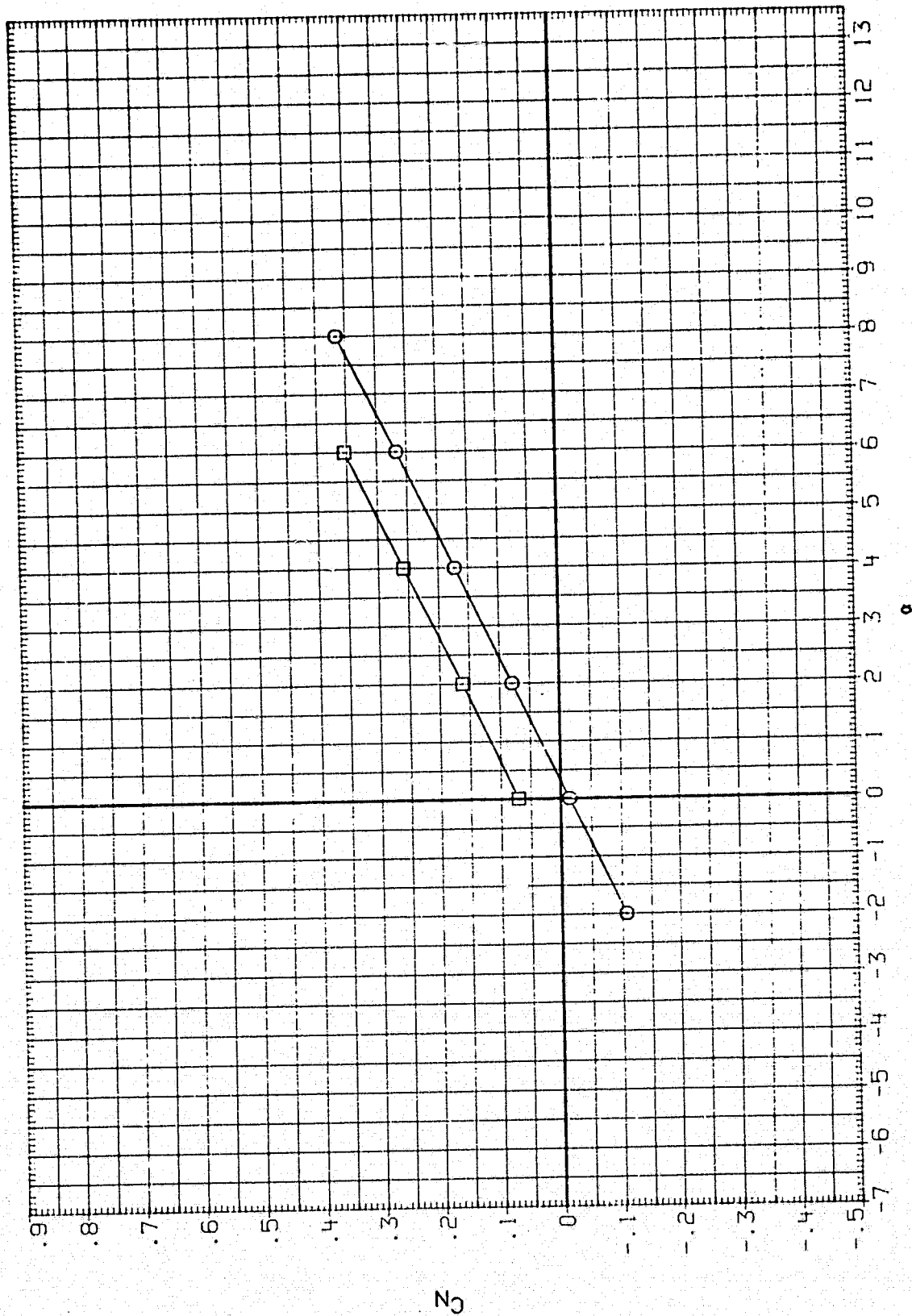


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(K) BETA = 5.00

DATA SET SYMBOL

AFPF01
AFPF05

□ ○

CONFIGURATION

0A163B 868C12020M16N28H127E5F10V8P5X911
0A163B 868C12020M16N28H127E5F10V8P5X911

THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BOFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

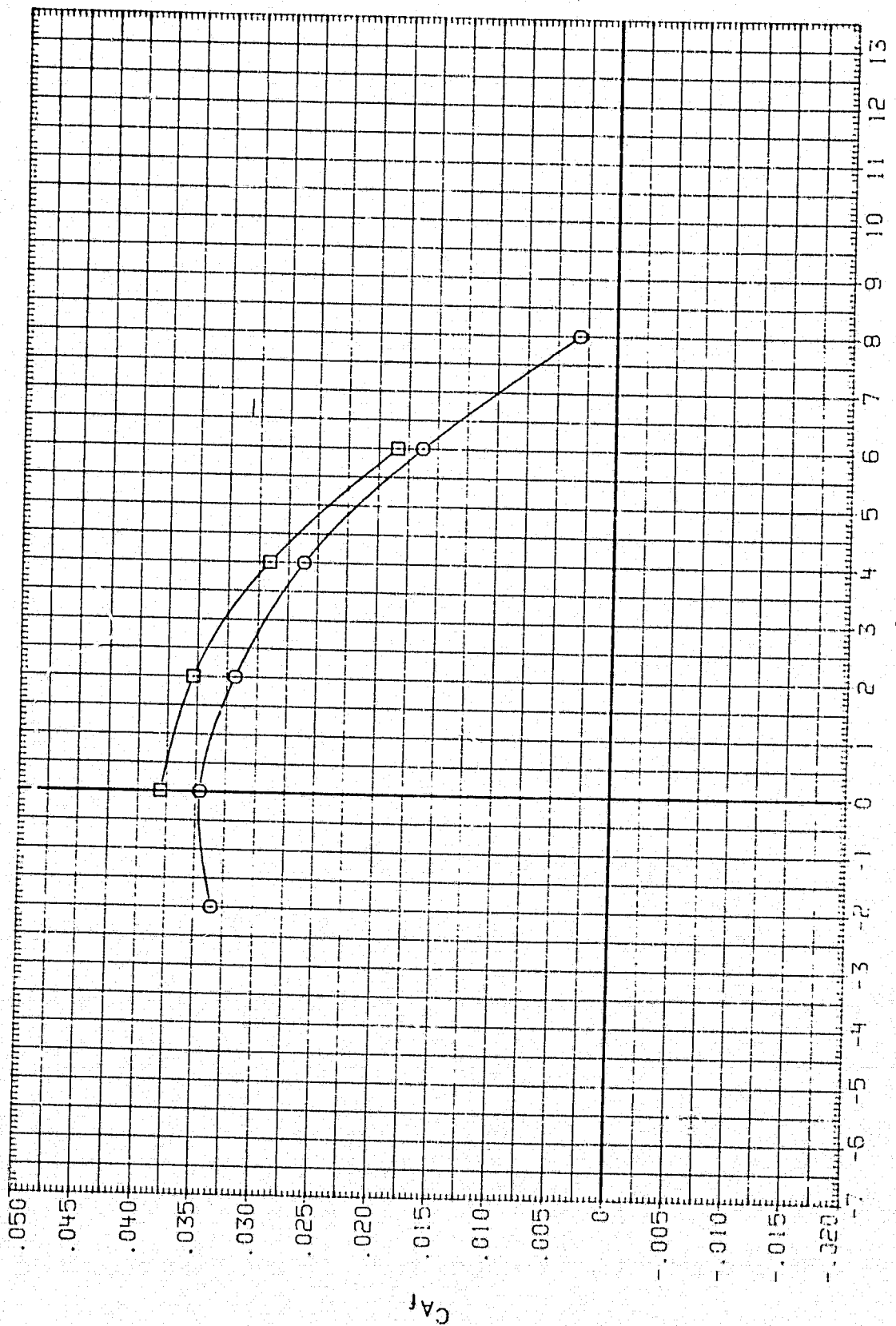


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	04163B B6BC12G20M16N28M127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	04163B B6BC12G20M16N28M127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

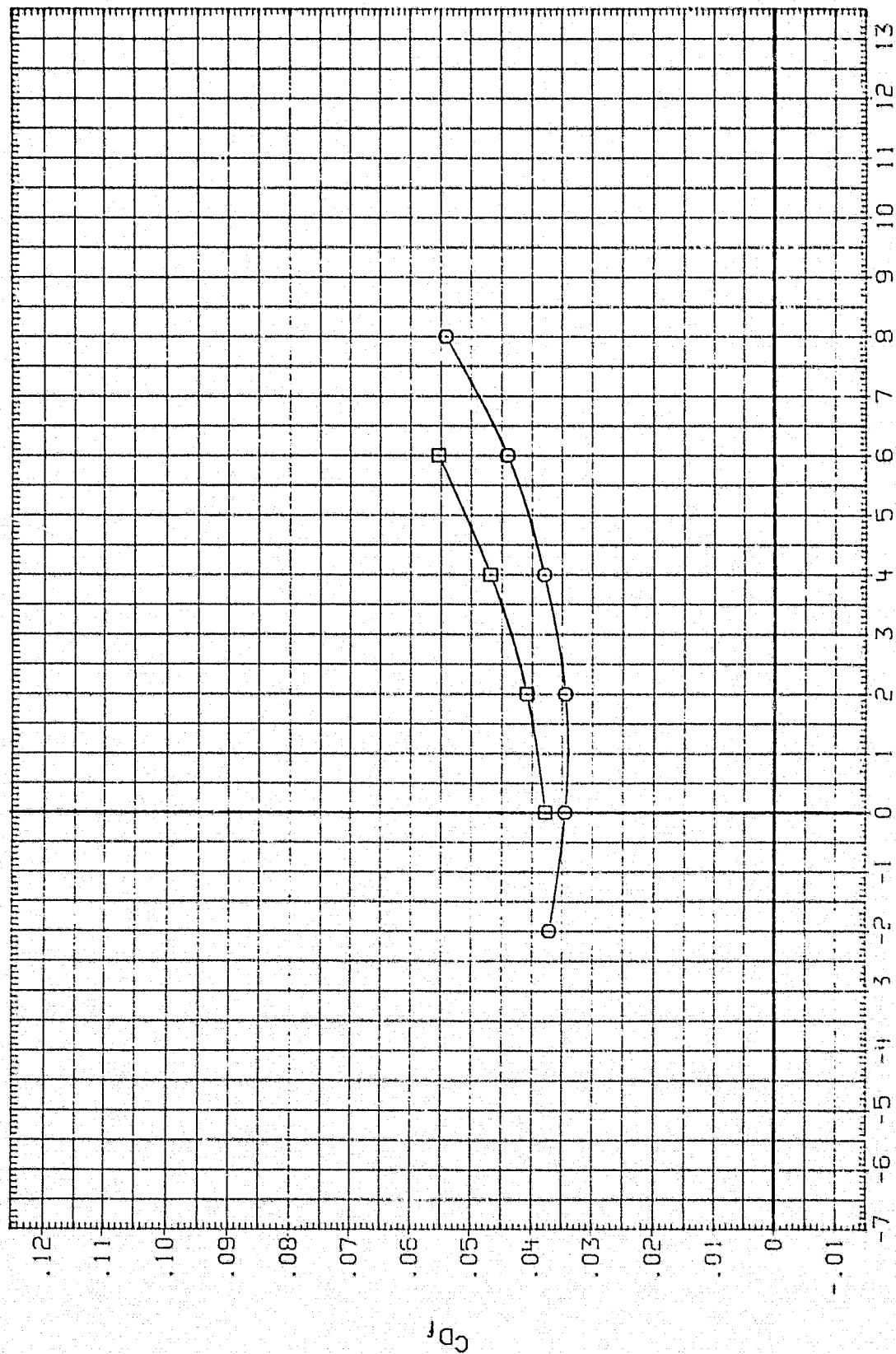


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL

CONFIGURATION

AFFP01 O 0A163B B68C12G20M16N28W127E5F10V8R5X911
 AFFP05 □ 0A163B B68C12G20M16N28W127E5F10V8R5X911

THETAN 5.000 30.800 30.800
 THETML 5.000 5.000 5.000
 THETMR 5.000 32.200 32.200
 PHI-ML 32.200 32.200 32.200
 PHI-MR 32.200 32.200 32.200
 ELV-L 5.000 5.000 5.000
 BDFLAP .000 .000 .000

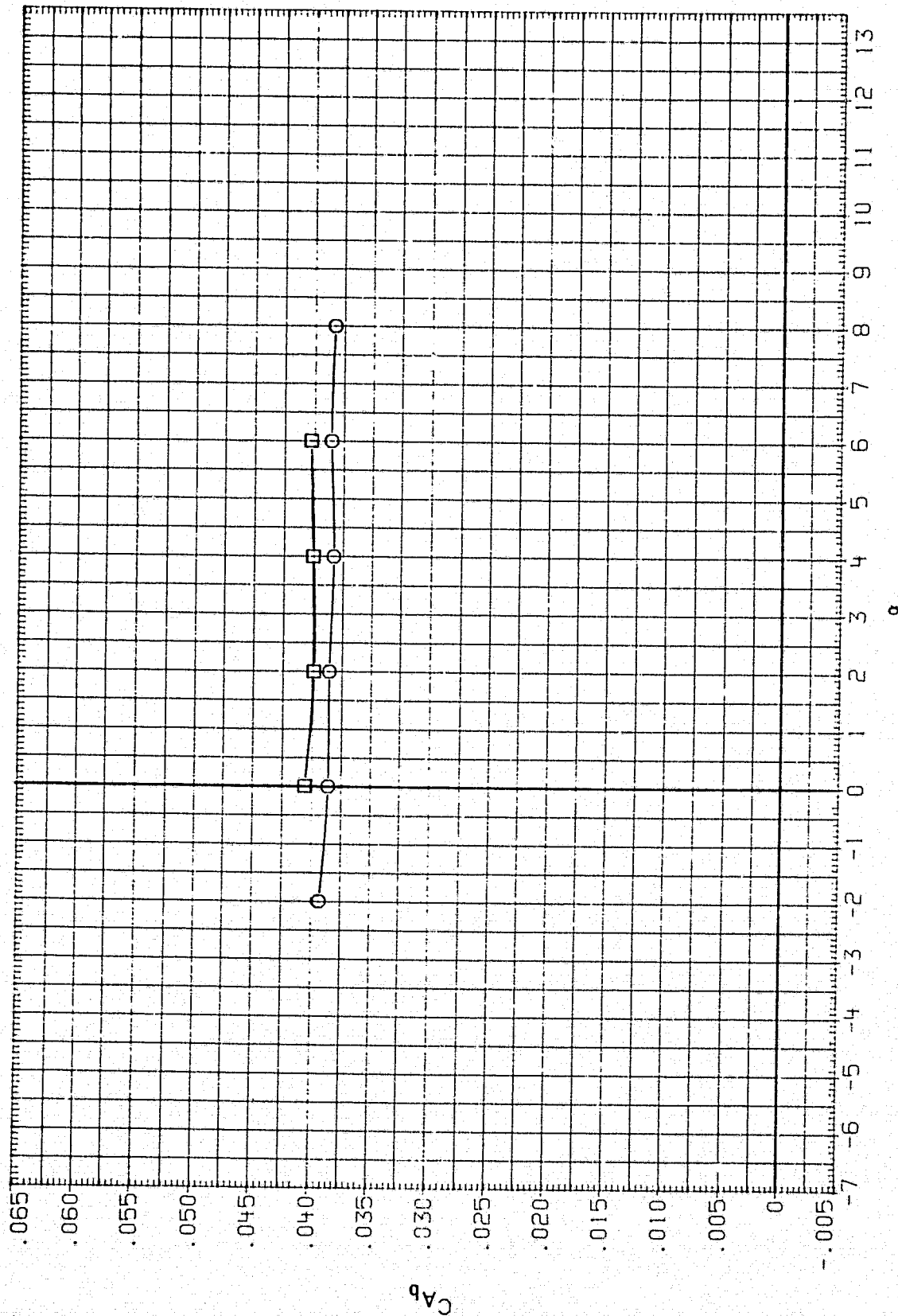


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(K) BETA = 5.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A1638 B68C12020M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	0A1638 B68C12020M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

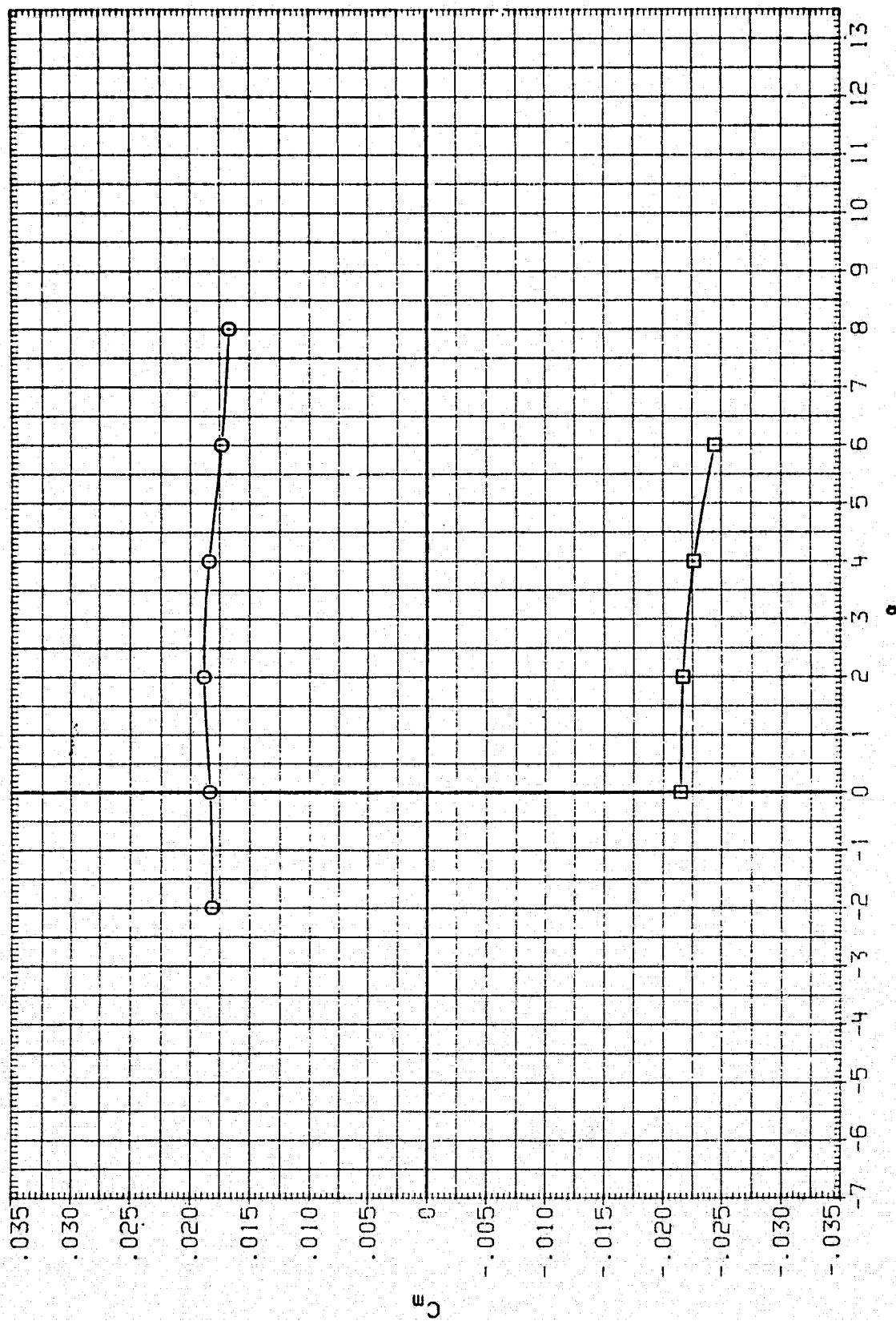


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A163B B68C12020M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	0A163B B68C12020M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

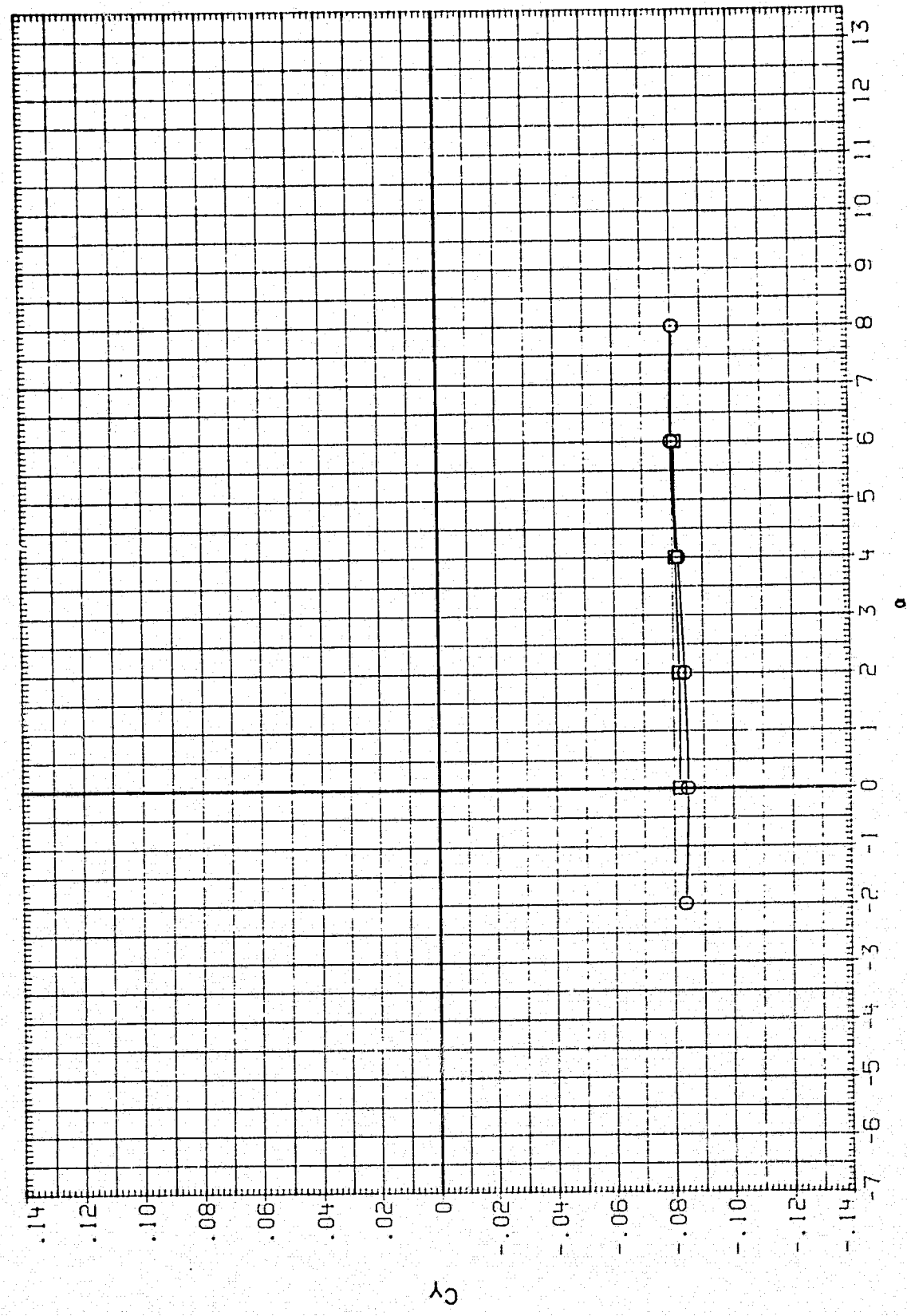


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	CA1638	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF05	CA1638	5.000	30.800	5.000	5.000	32.200	32.200	.000	

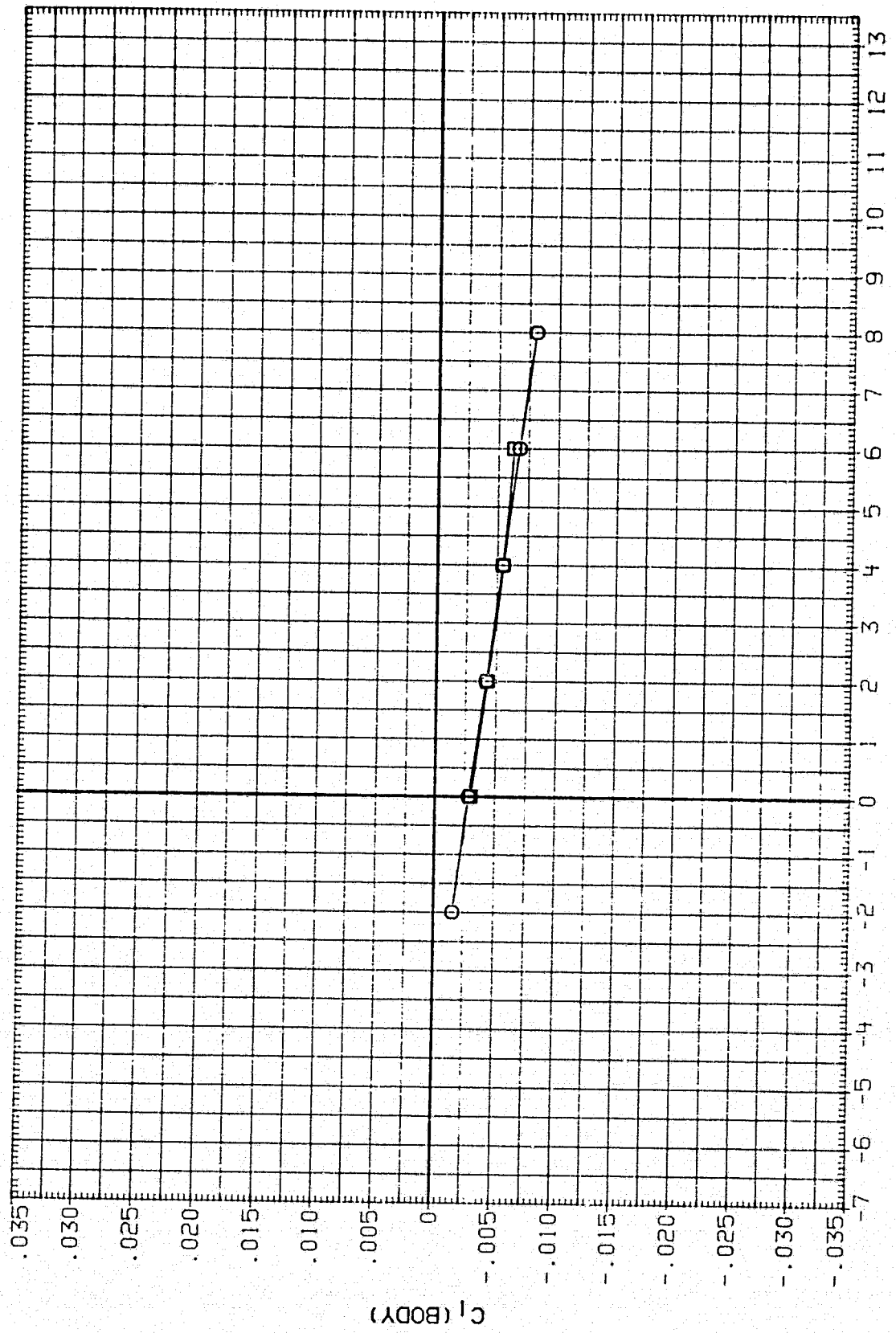


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(K) BETA = 5.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THE TML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A163B 068C12020M16N28M127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	0A163B 068C12020M16N28M127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

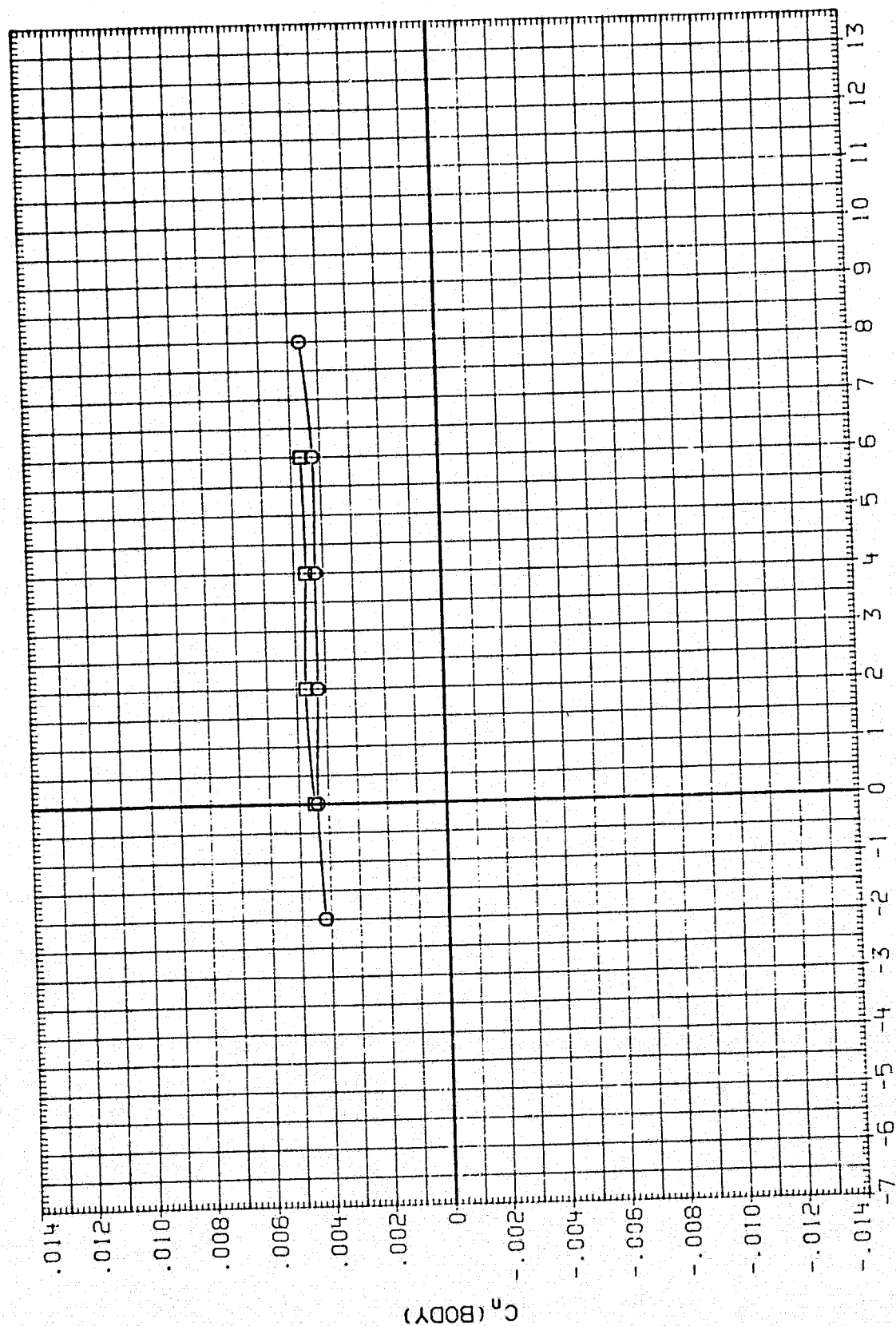


FIG 4 EFFECT OF ELEVON DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL	CONF I COURATION	PHI-N	THETAN	THETML	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	0A1638 B6BC12020M16N28M127E5F 10V8P5X911	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	0A1638 B59C12020M16N28M127E5F 10V8P5X911	30.800	5.000	5.000	32.200	32.200	.000	16.300

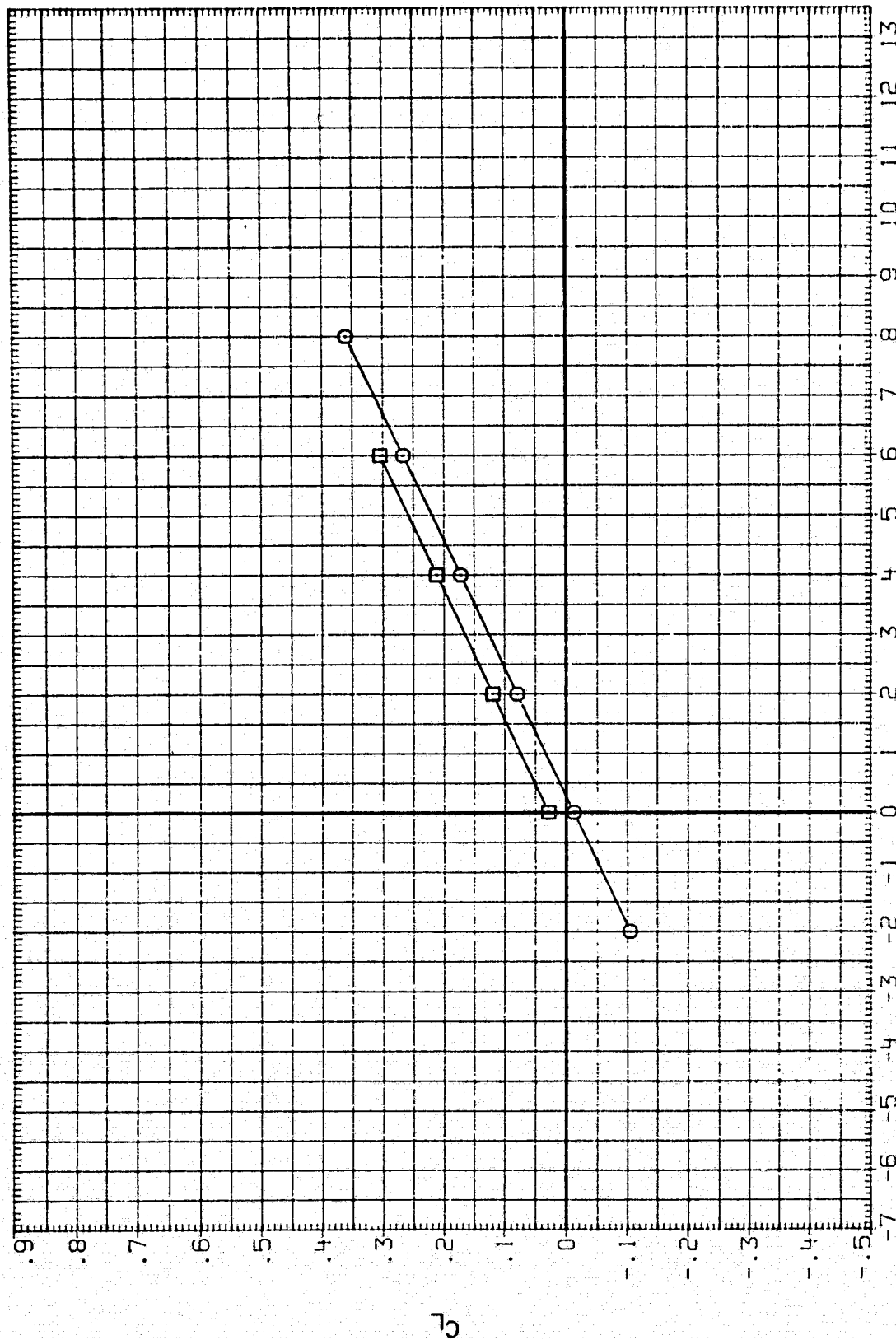


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPP01	0A163B B68C12G20M16N28M127E5F 10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPP06	0A163B B68C12G20M16N28M127E5F 10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

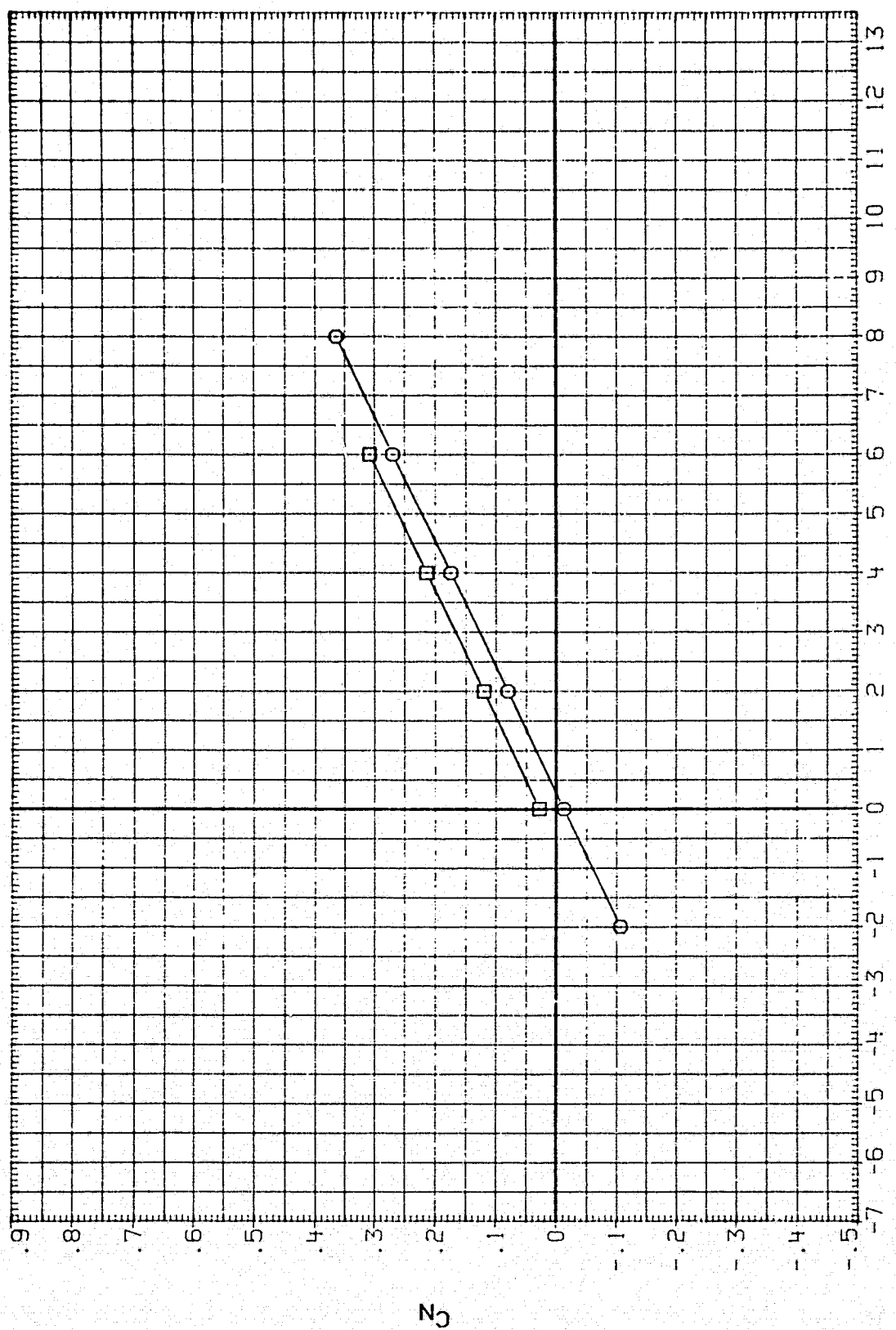


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
APPF01	0A163B B68C12G20M16N28H127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APPF05	0A163B B68C12G20M16N28H127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.350

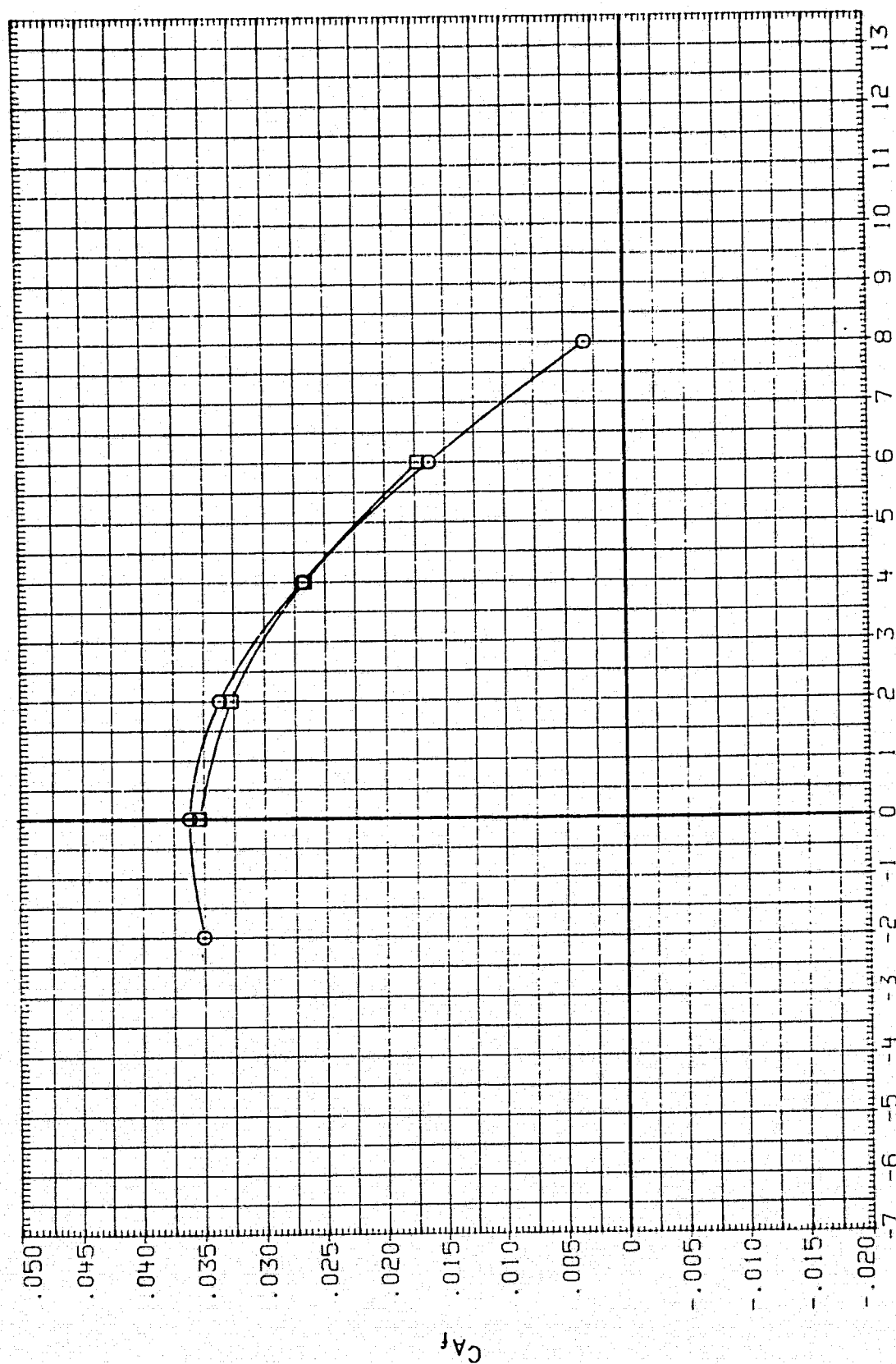


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL		CONF IGURATION		THETA	PHI-N	THETA-M	THETA-R	PHI-M	PHI-MR	ELV-L	BDCLAP
AFPF01	□	0A163B	B58C12G20M16A28M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	○	0A163B	B58C12G20M16A28M127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

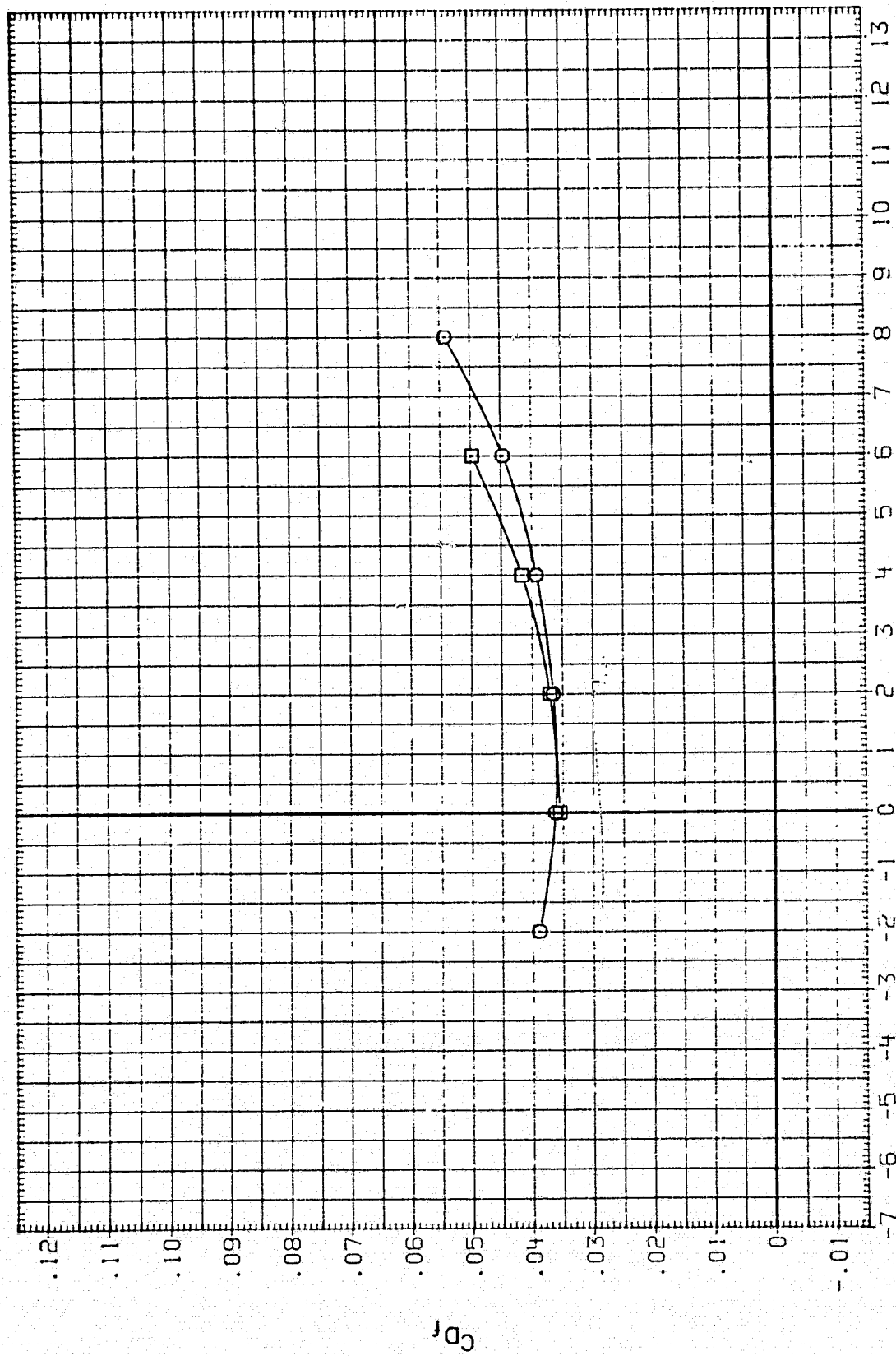


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL
 AFPC01
 AFPC06

CO-FIGURATION

0A163B 868C12620M16N28H127L5F10V8P5X911
 0A163B 869C12620M16N28H127L5F10V8P5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 .000 16.200

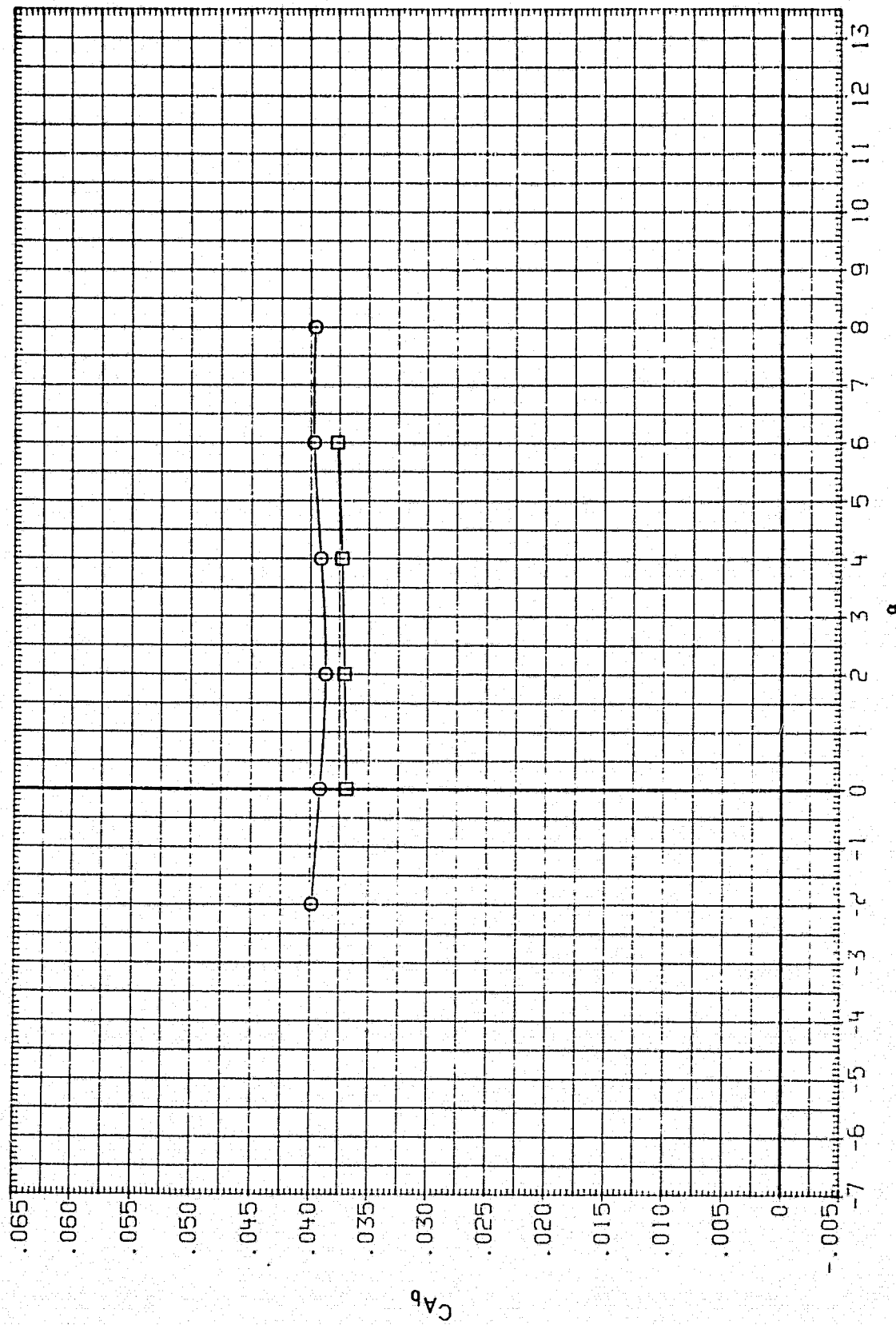


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL		CONFIGURATION		THE TAN	PHI-N	THE TML	THE TMP	PHI-ML	PHI-MR	ELV-L	BDF LAP
AFPF01	□	0A163B	B68C1202DM15N26M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A163B	B68C1262DM16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

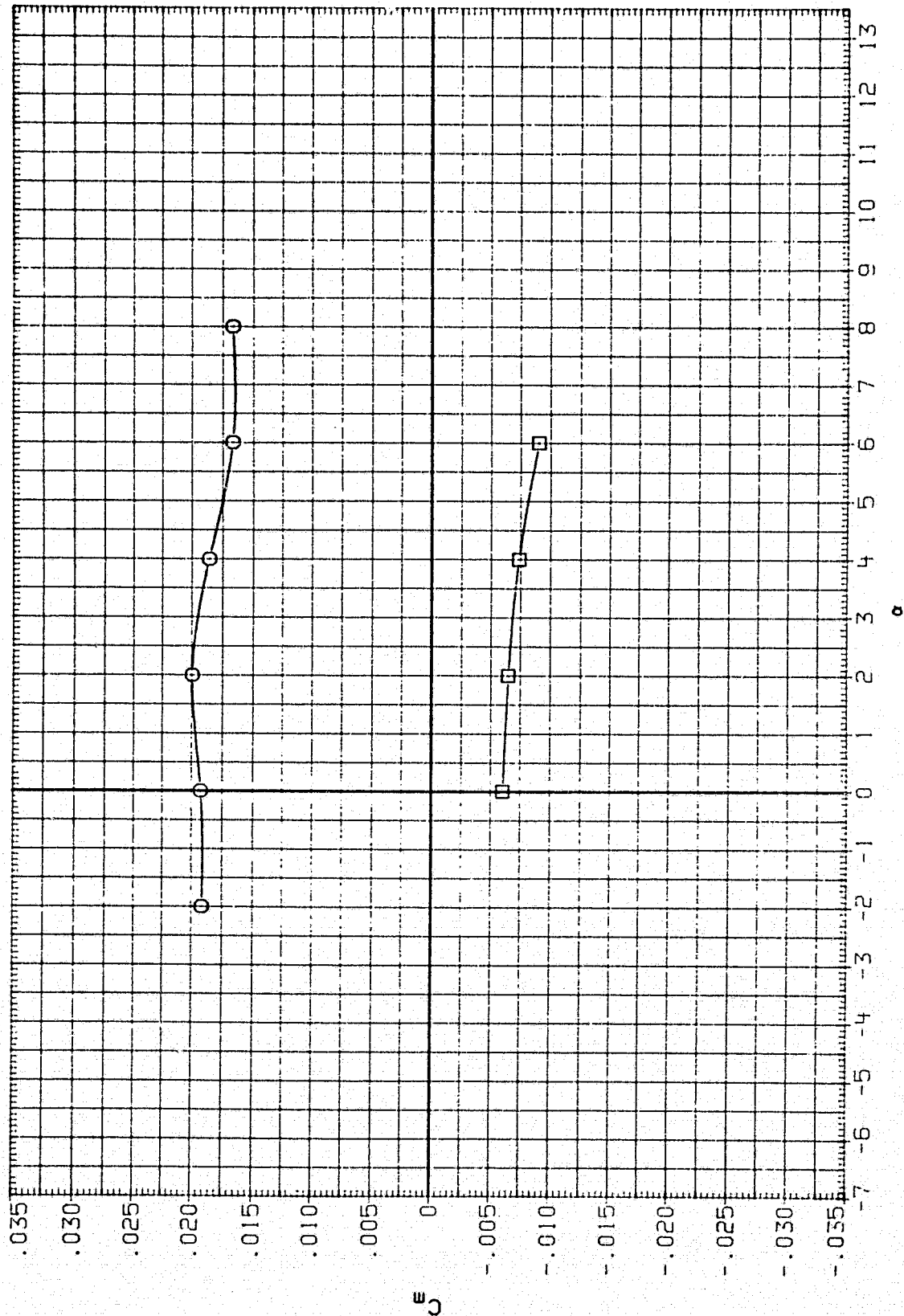


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL
 AFPP01
 AFPP06

CONF IGURATION

0A1538 B68C12G20M16N28M127E5F10V8P5X911
 0A1638 B68C12G20M16N28M127E5F10V8P5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BOFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

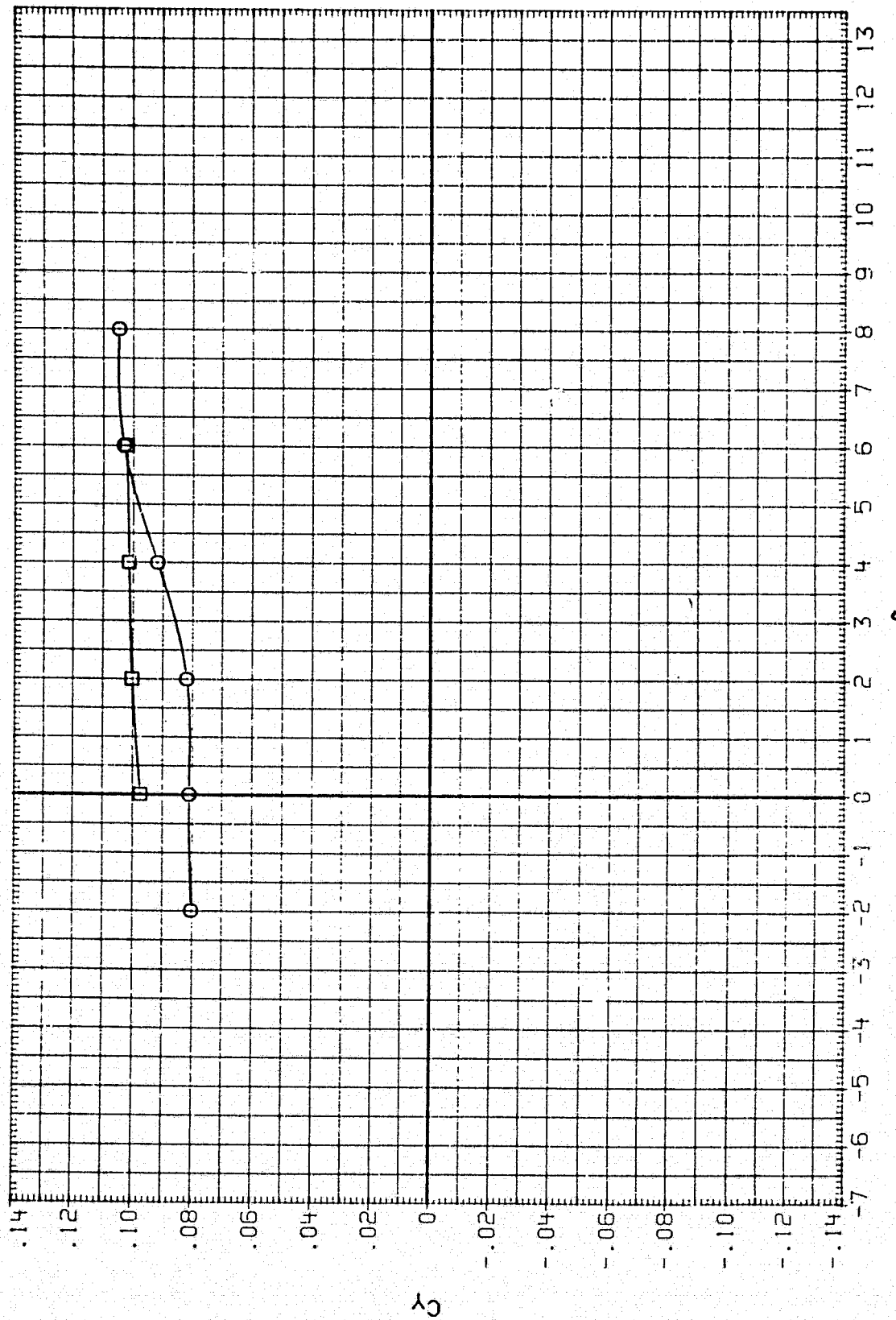


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	□	0A1638	B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A1638	B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

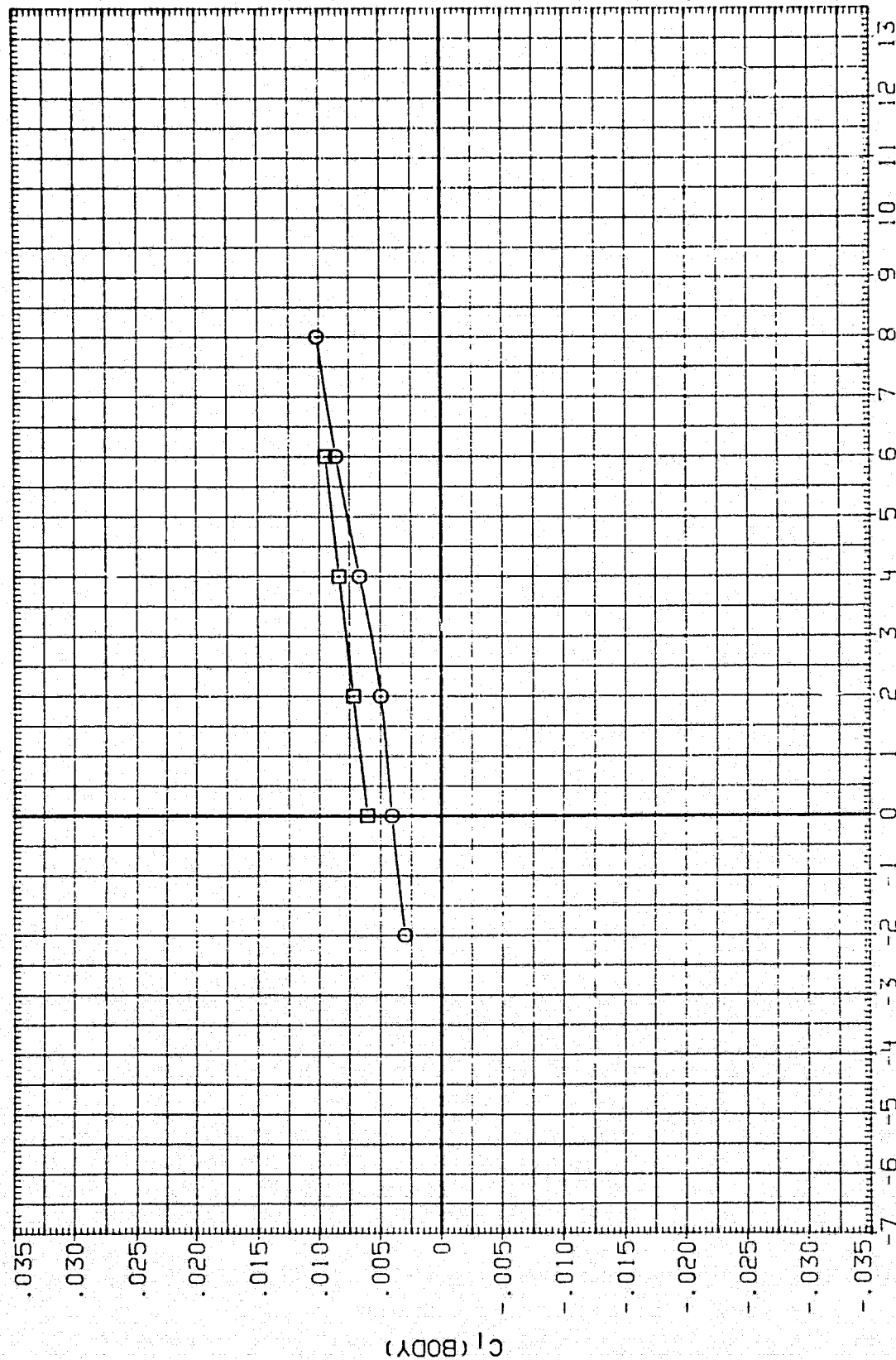


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL

APPF01

APPF06

○

□

CONF IGURAT ION

0A1638 B68C1202CM16N28M127E5F 10V8R5X911

0A1638 B68C1202CM16N28M127E5F 10V8R5X911

THETAN

5.000

5.000

PHI-N

30.800

30.800

THETML

5.000

5.000

THETMR

5.000

5.000

PHI-ML

32.200

32.200

PHI-MR

32.200

32.200

ELV-L

.000

.000

BDFLAP

.000

16.300

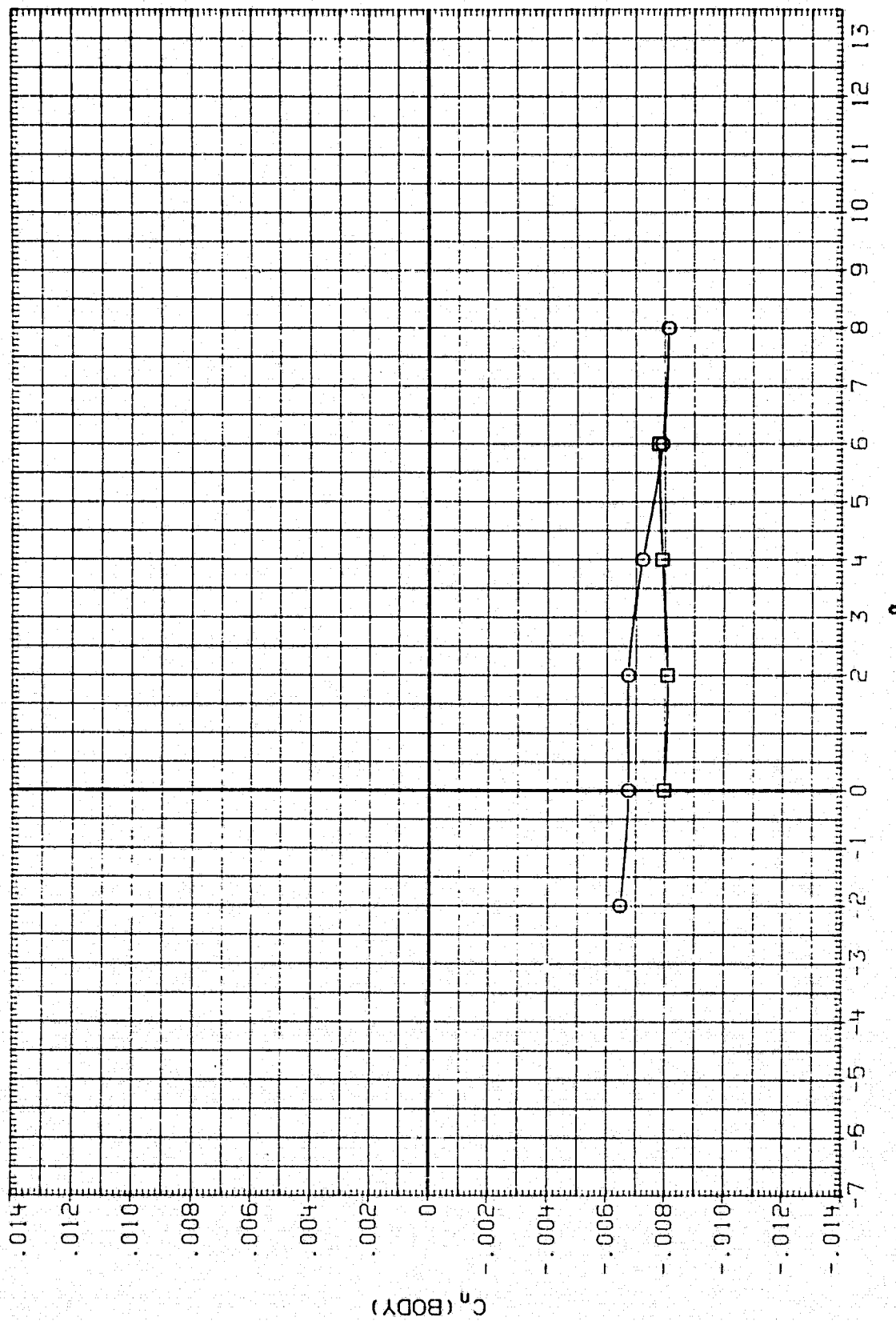


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(A) BETA = -5.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BD FLAP
APFF01	0A163B B68C12G2CM16N28H127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APFF06	0A163B B68C12G2CM16N28H127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

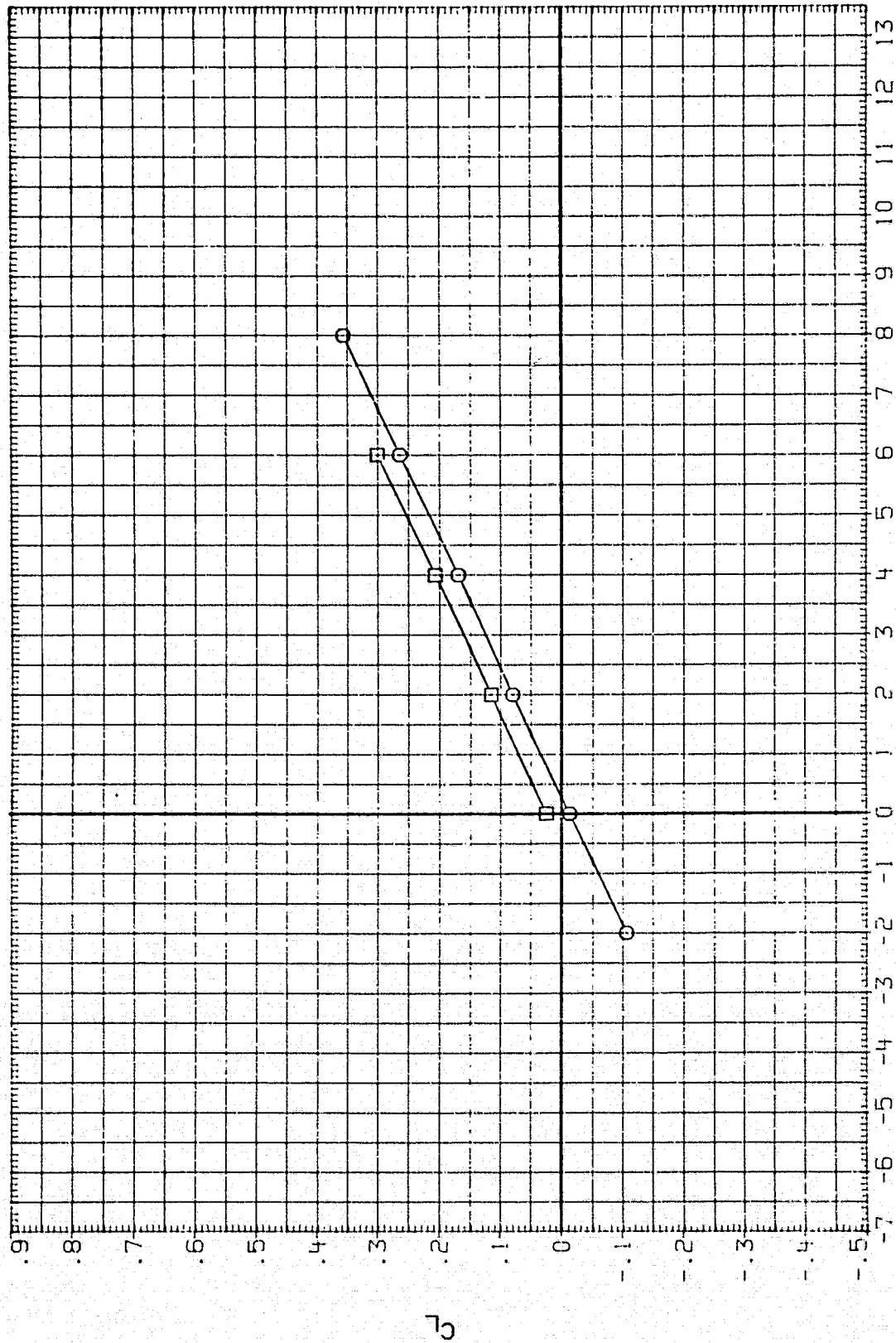


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL

AFPF01
AFPF06



CONFIGURATION

0A163B B68C12C20M16N28W127E5F 10VBR5X911
0A163B B68C12C20M16N28W127E5F 10VBR5X911

THETAN	PHI-N	THETML	THE-TMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

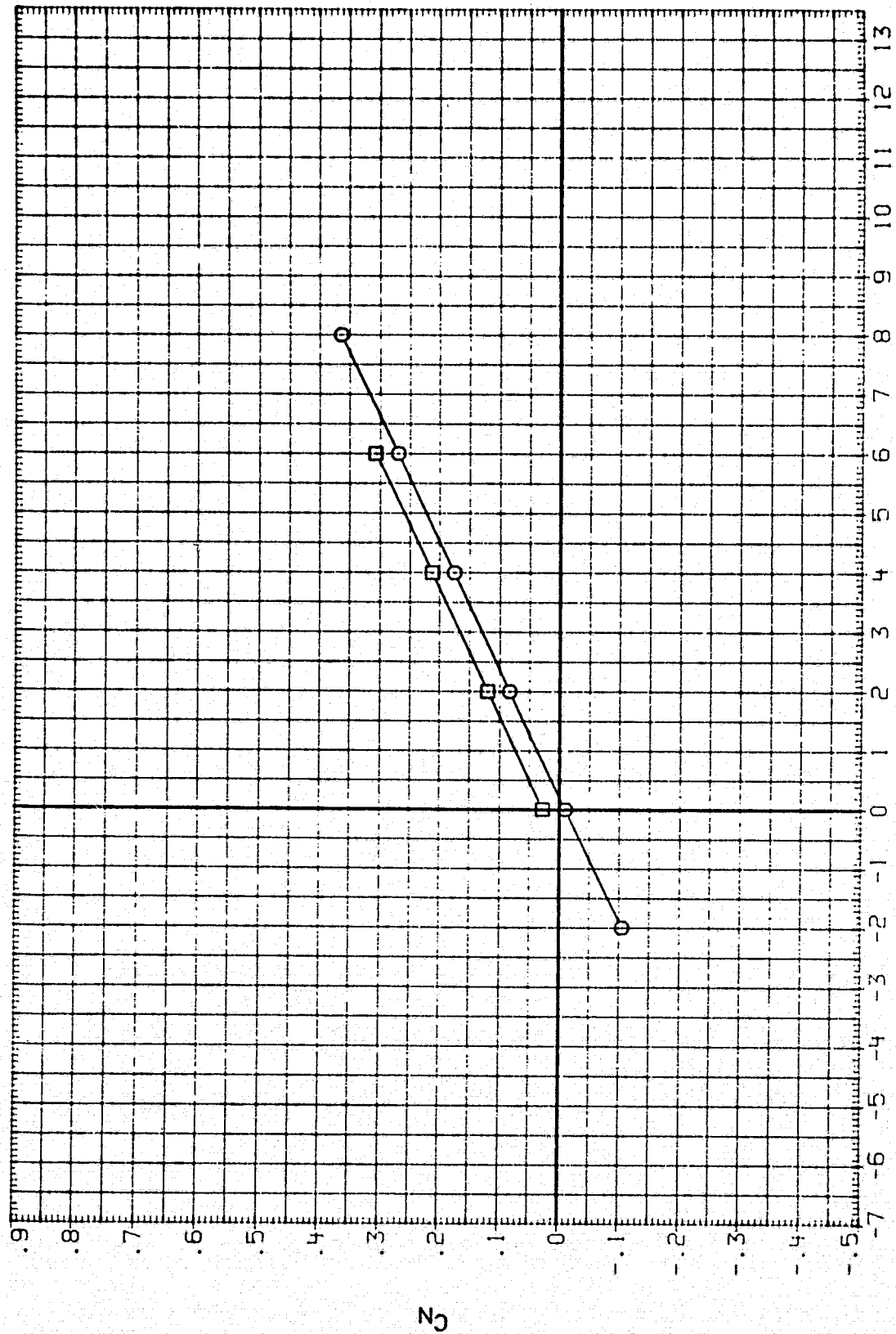


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(B) BETA = -4.00

DATA SET SYMBOL		CONFIGURATION		THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	□	OA163B	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	OA163B	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

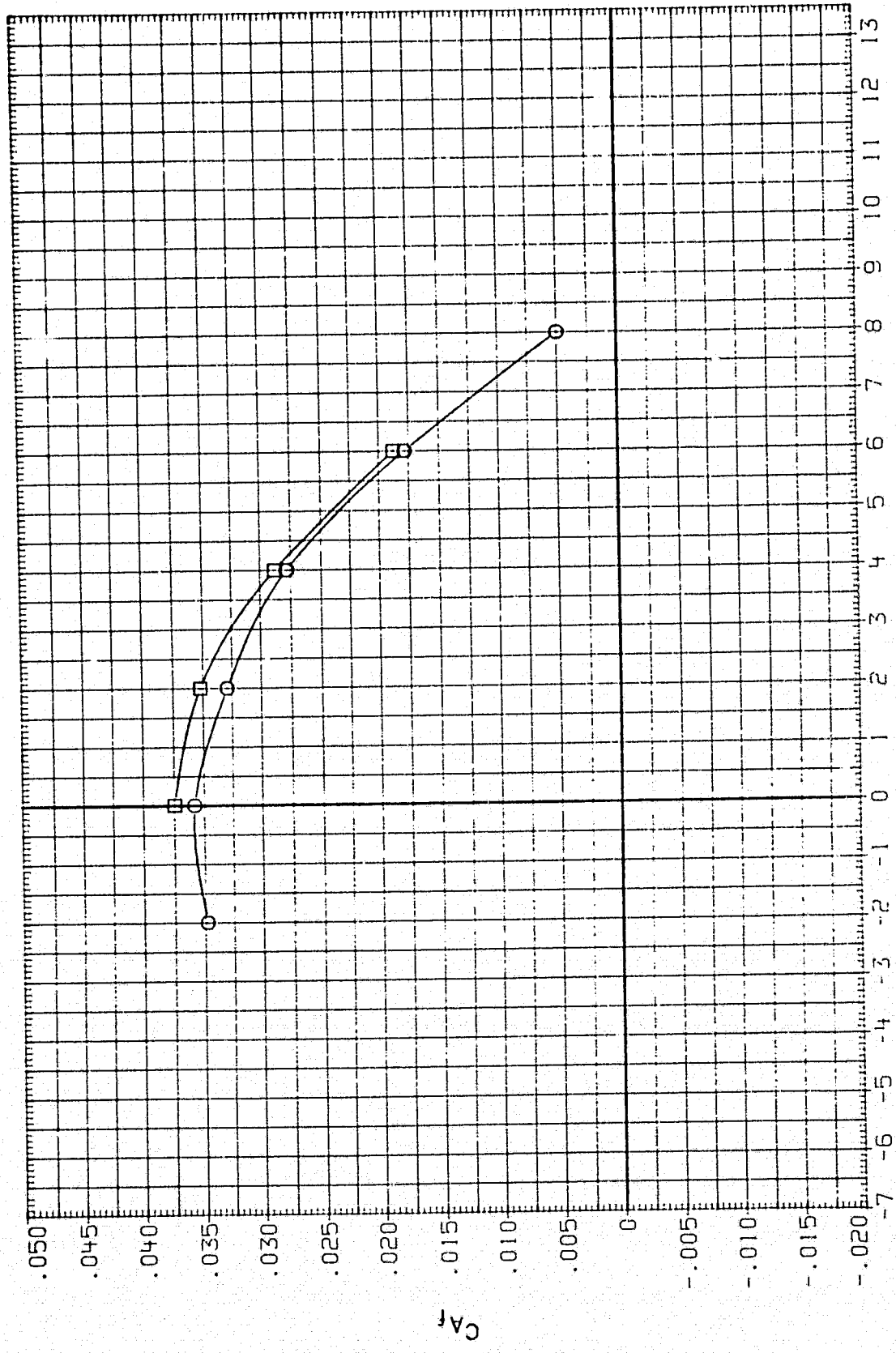


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(B) BETA = -4.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A163B B68C12G20M16N28H127E5F 10/8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	0A163B B68C12G20M16N28H127E5F 10/8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

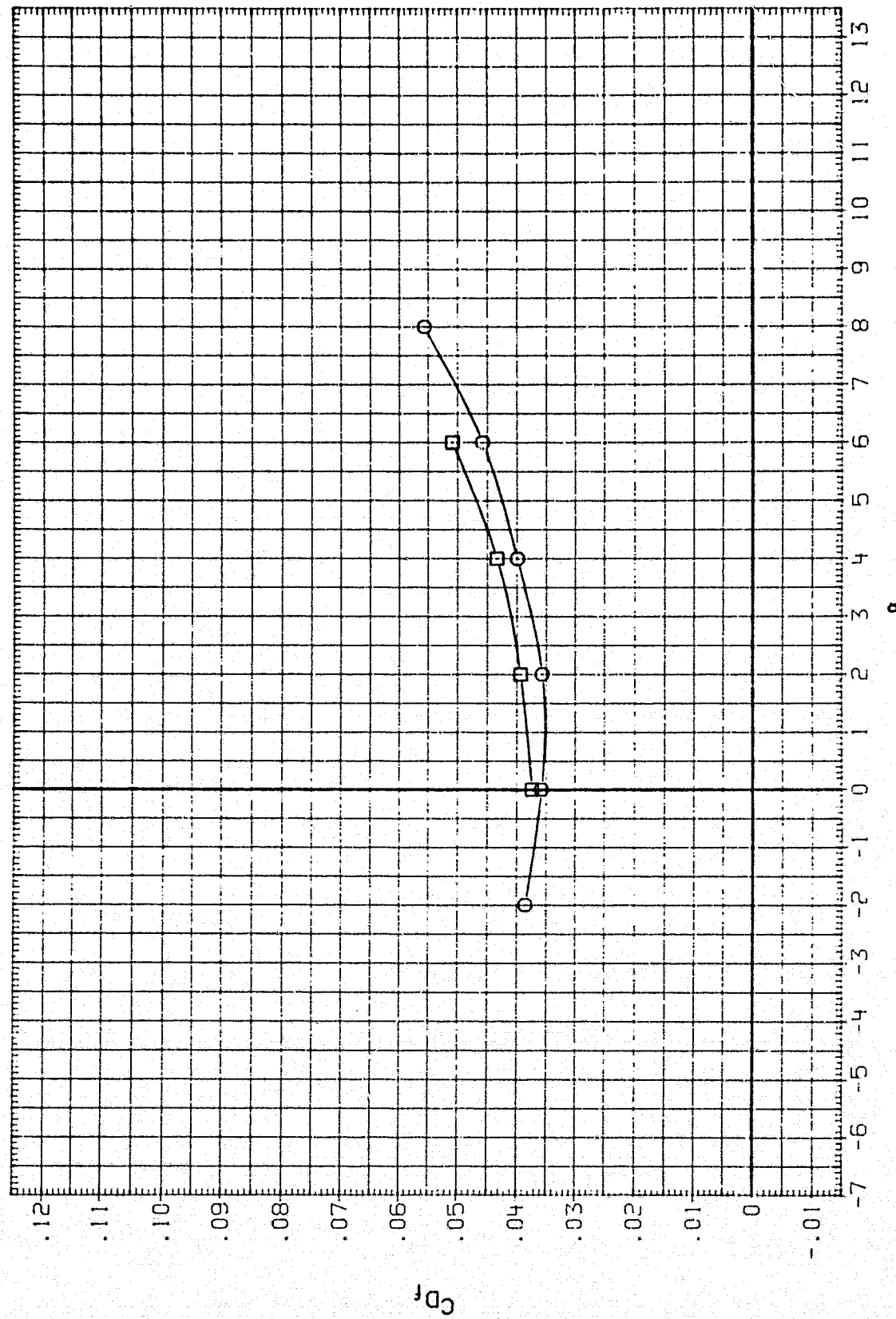


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(8) BETA = -4.00

DATA SET SYMBOL	CO:IF 10UPATION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPP 01	OA1638 B58C12G20M16428H127E5F 10VBR5X911	5.000	30.000	5.000	5.000	32.200	32.200	.000	.000
AFPP 06	OA1639 B68C12G20M16428H127E5F 10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

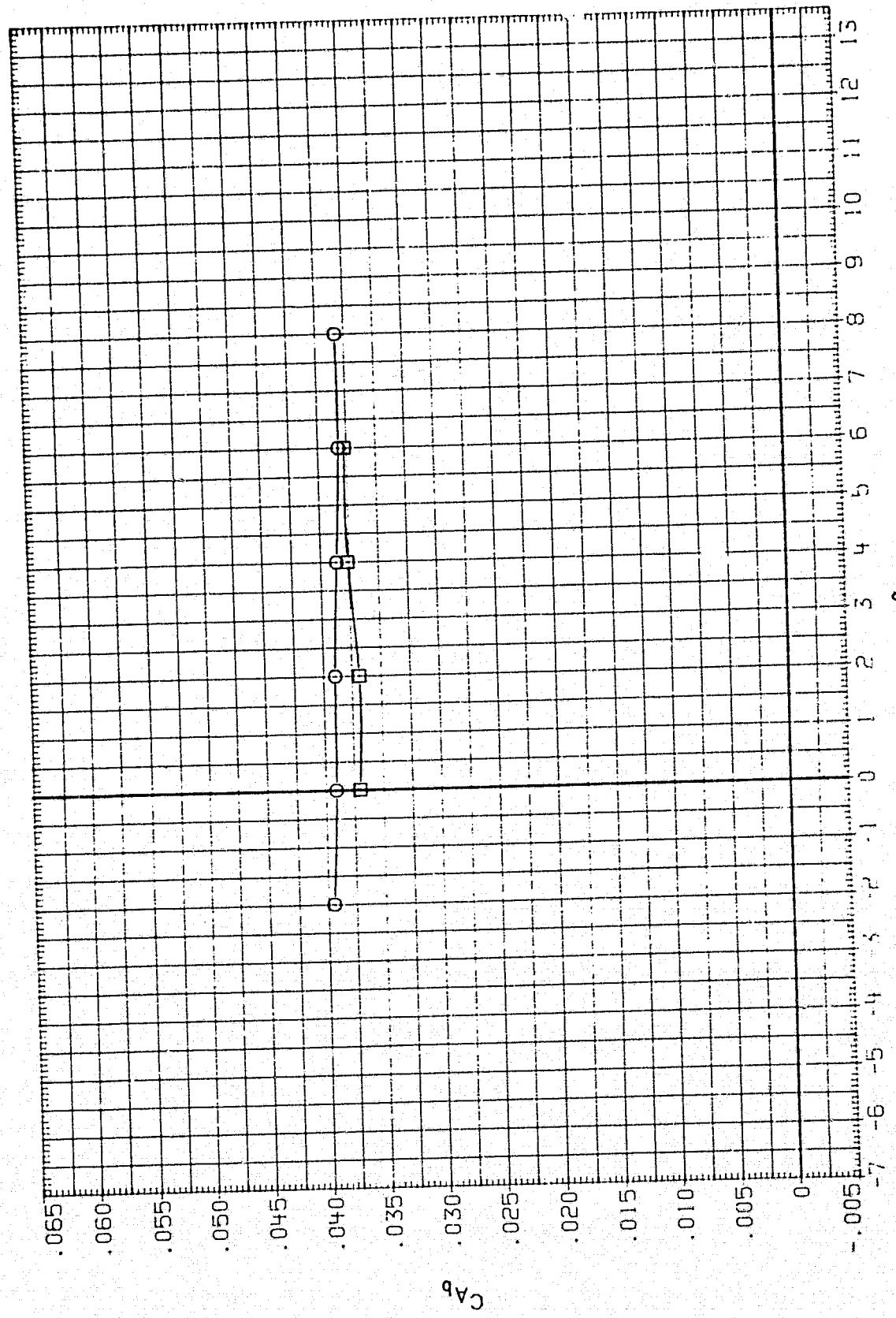


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(B) BETA = -4.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPT01	0A153B B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPT06	0A153B B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

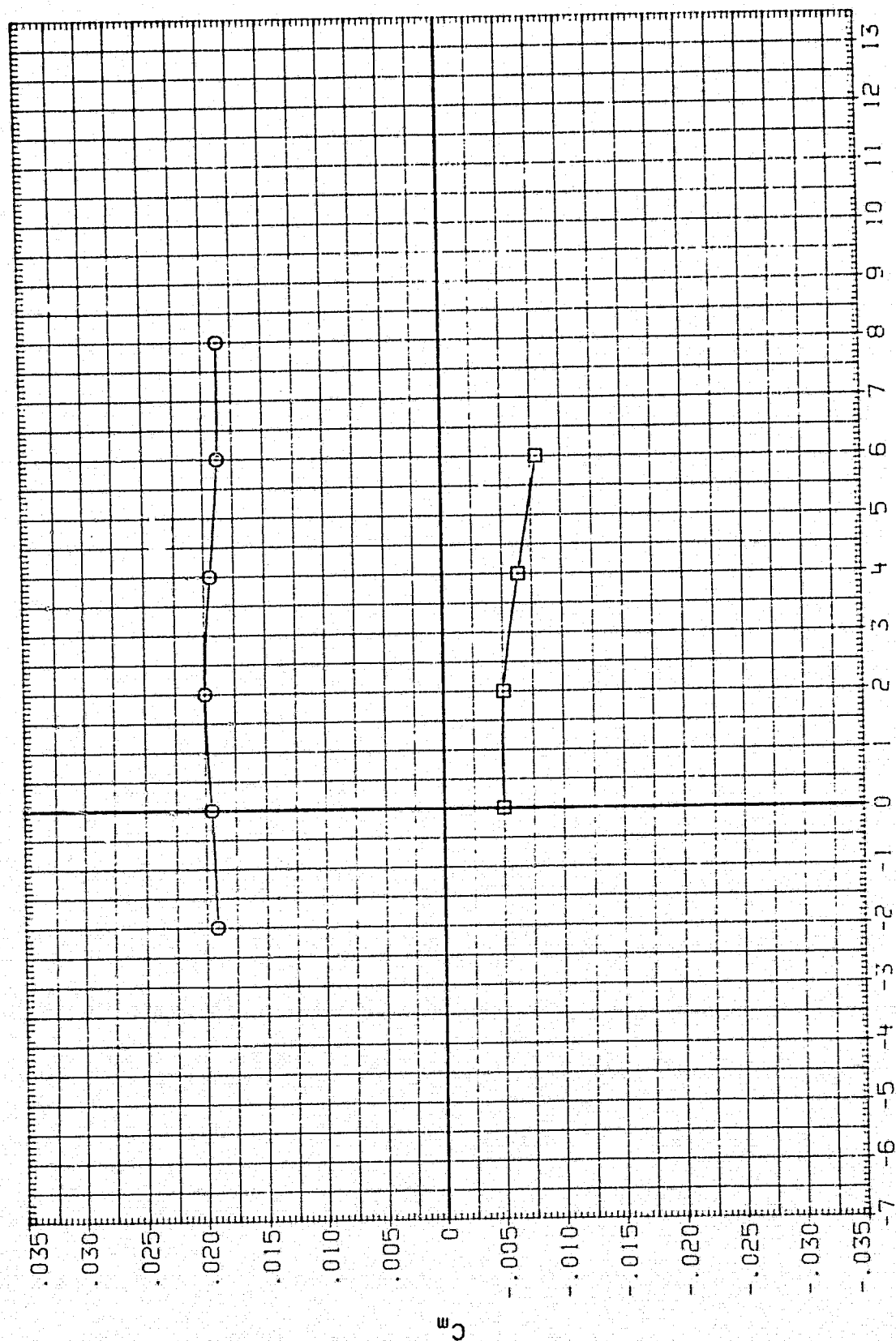


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(B) BETA = -4.00

THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BD FLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

DATA SET SYMBOL CONFIGURATION

AFPF01 0A153B B68C12G20M16N28M127E5F 10VBR5X911

AFPF06 0A153B B68C12G20M16N28M127E5F 10VBR5X911

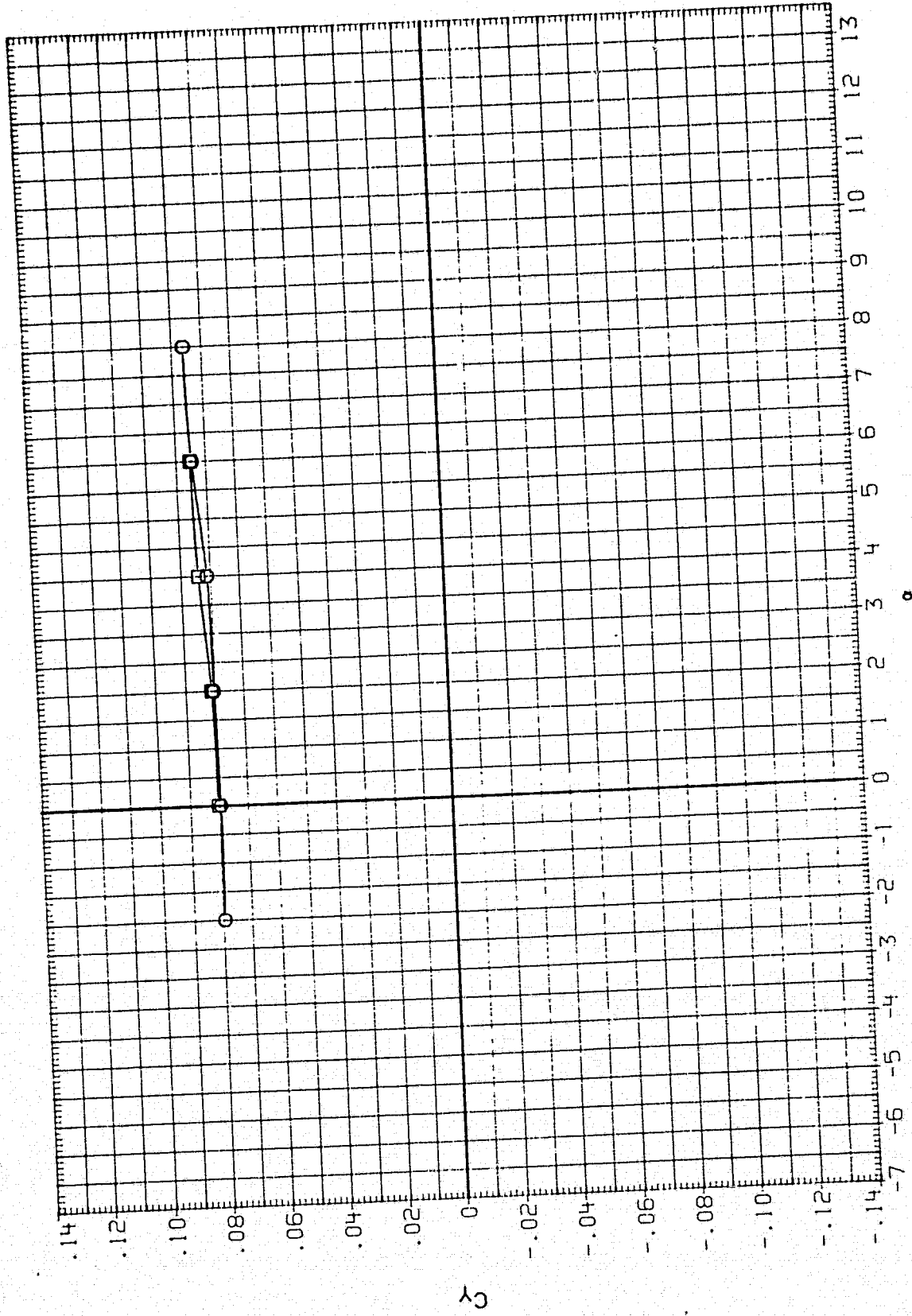


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(B) BETA = -4.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A1638 B68C12620M16N28M127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	0A1638 B68C12620M16N28M127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

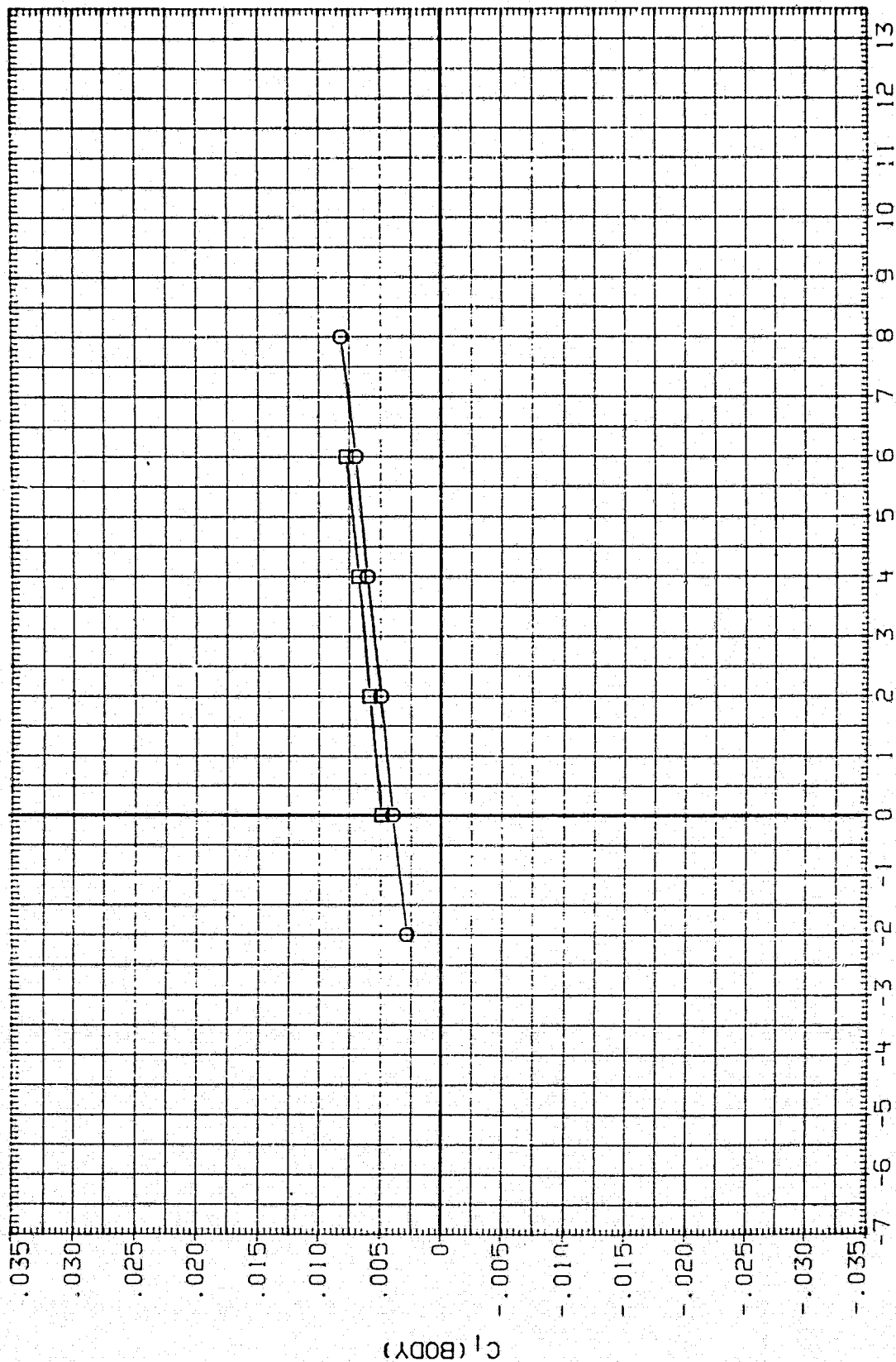


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(B) BETA = -4.00

DATA SE)	SYMBOL	CONF	ICURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPP01	Q	0A163B	B68C12G50M16N28N127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPP06	Q	0A163B	B68C12G50M16N28N127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

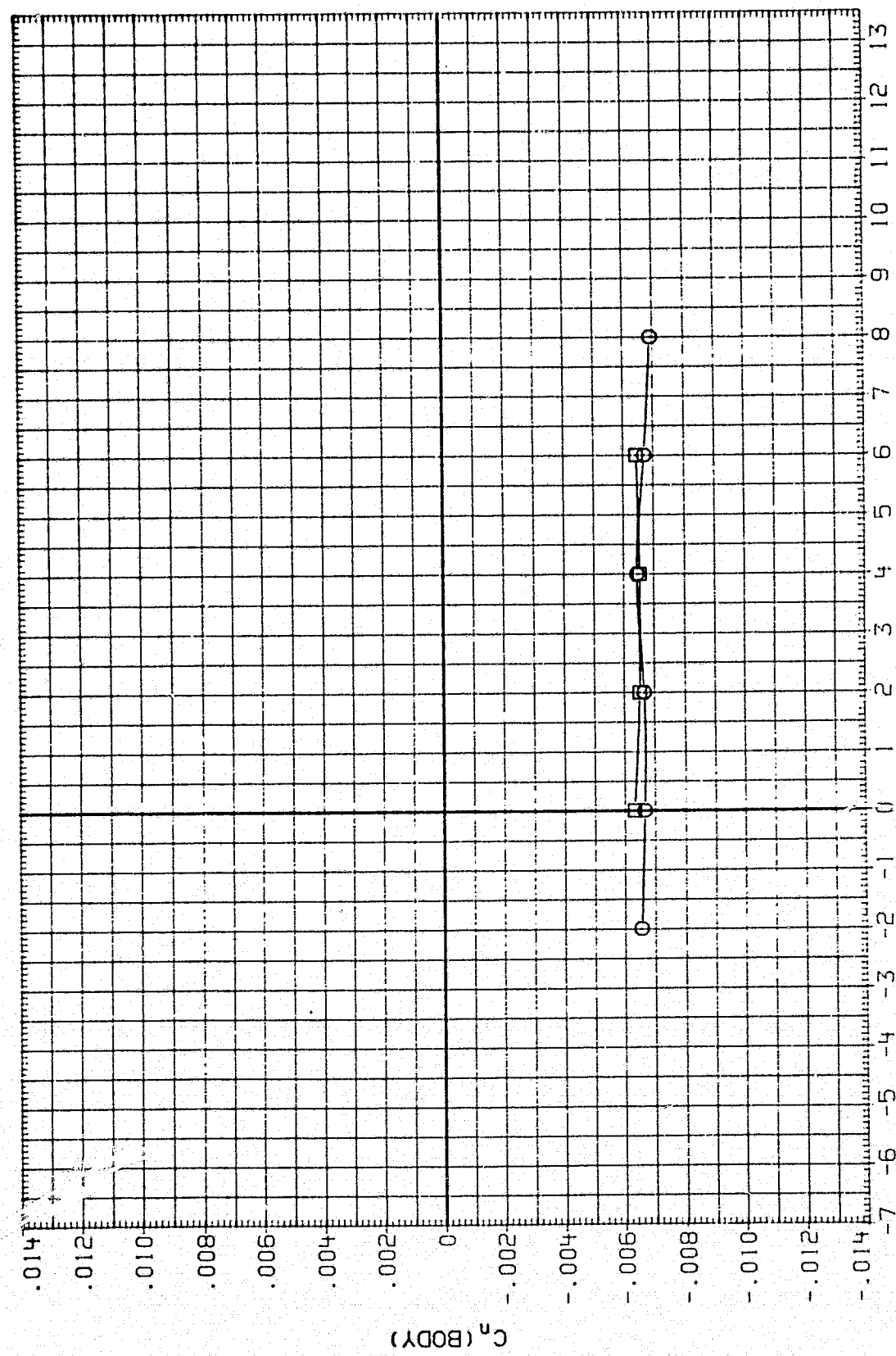


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(B)BETA = -4.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	90FLAP
AFPF01	0A163B B68C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF06	0A163B B68C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

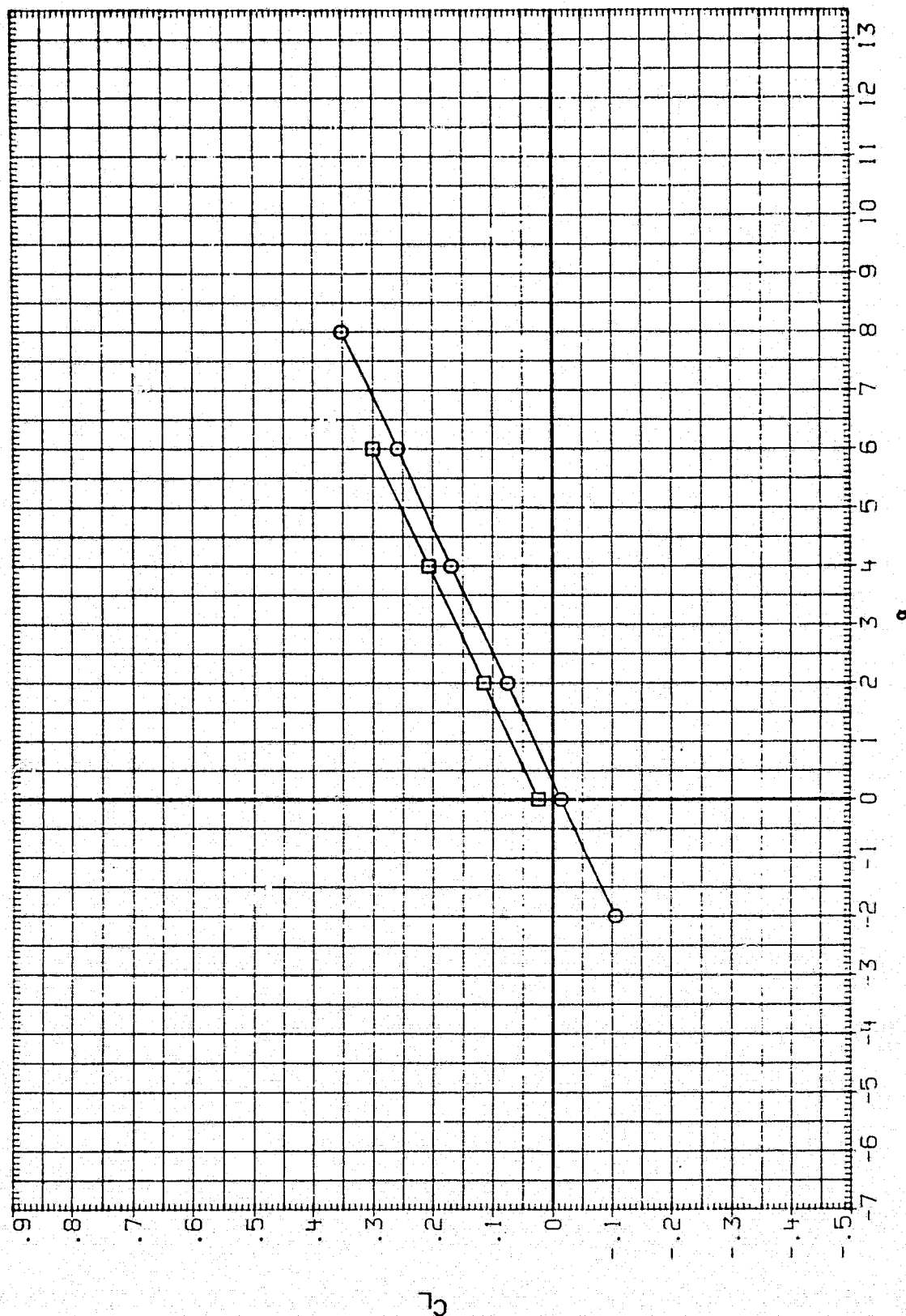


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(C) BETA = -3.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
APFF01	0	0A163B	B58C12620M16N28W127E5F10V8R5X9J11	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APFF06	□	0A163B	B58C12620M16N28W127E5F10V8R5X9J11	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

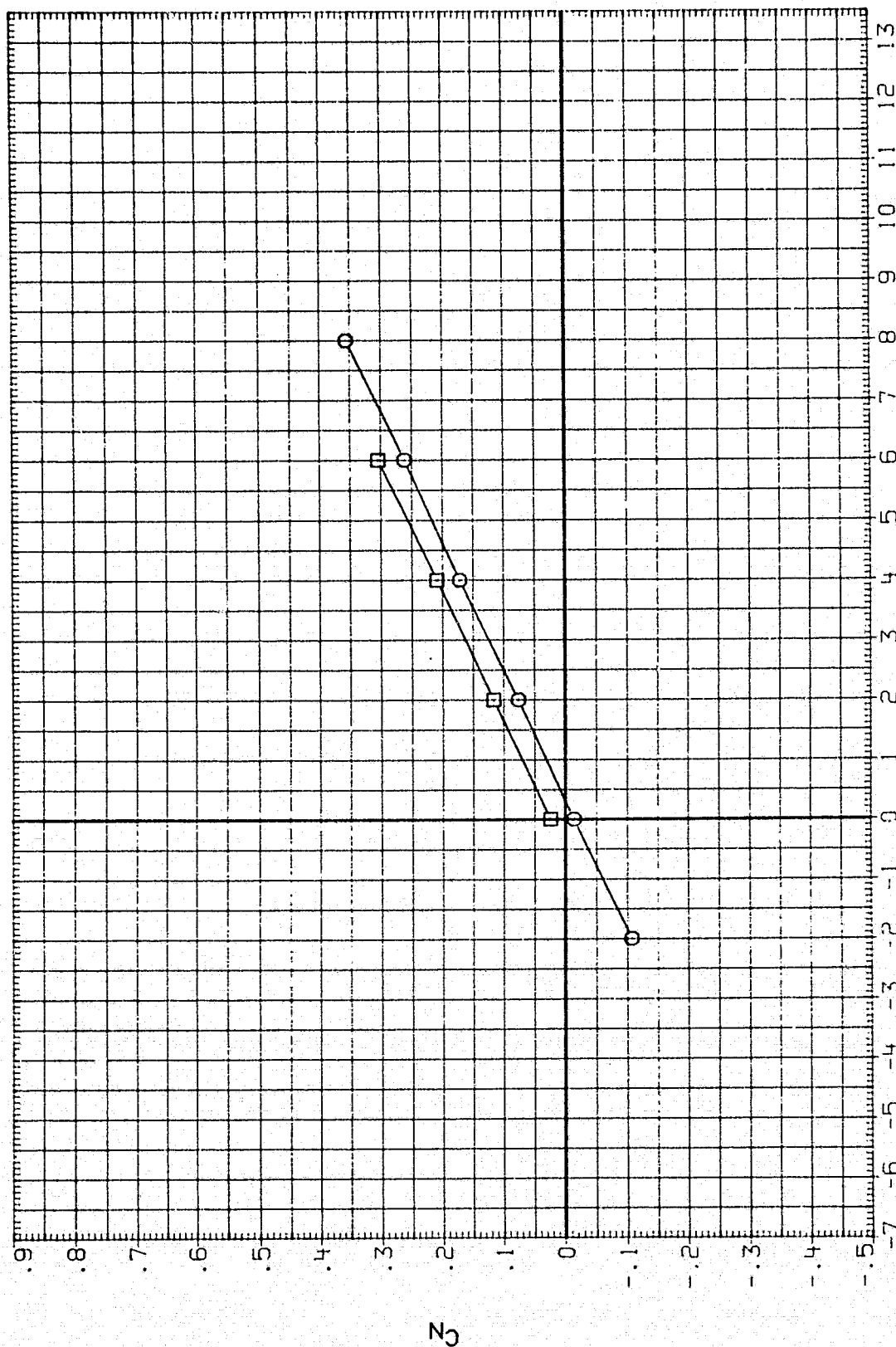


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A1638 B88C12620M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	0A1638 B88C12620M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	15.300

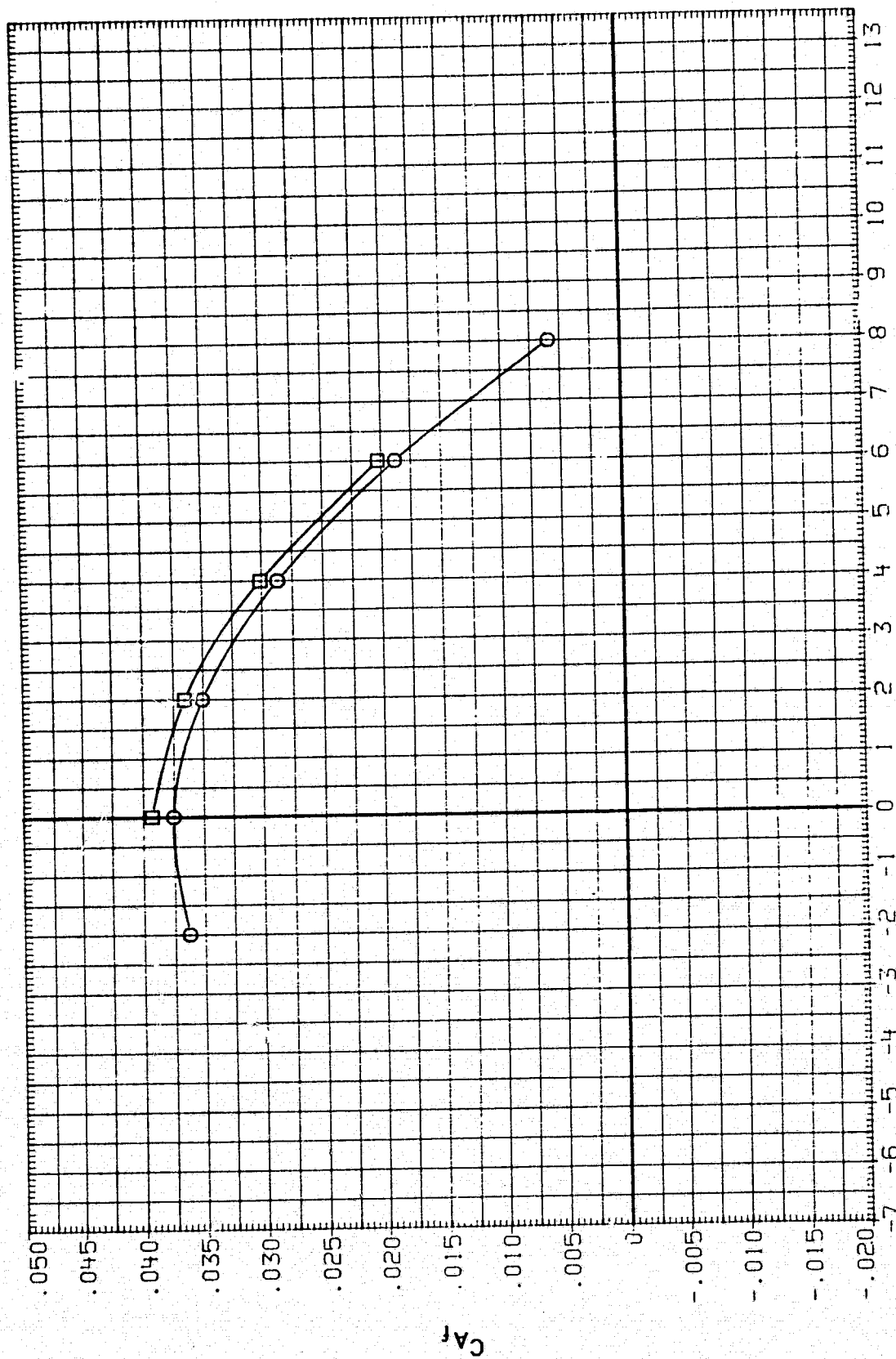


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(C) BETA = -3.00

DATA SET SYMBOL
 AFF01
 AFF06

CONF IGURATION
 OA163B B68C12G20M16N28H127E5F10V8P5X911
 OA163B B68C12G20M16N28H127E5F10V8P5X911

THETAN
 5.000
 5.000

PHI-N
 30.800
 30.800

THETML
 5.000
 5.000

PHI-ML
 32.200
 32.200

PHI-MR
 32.200
 32.200

ELV-L
 .000
 .000

9DELAP
 .000
 16.300

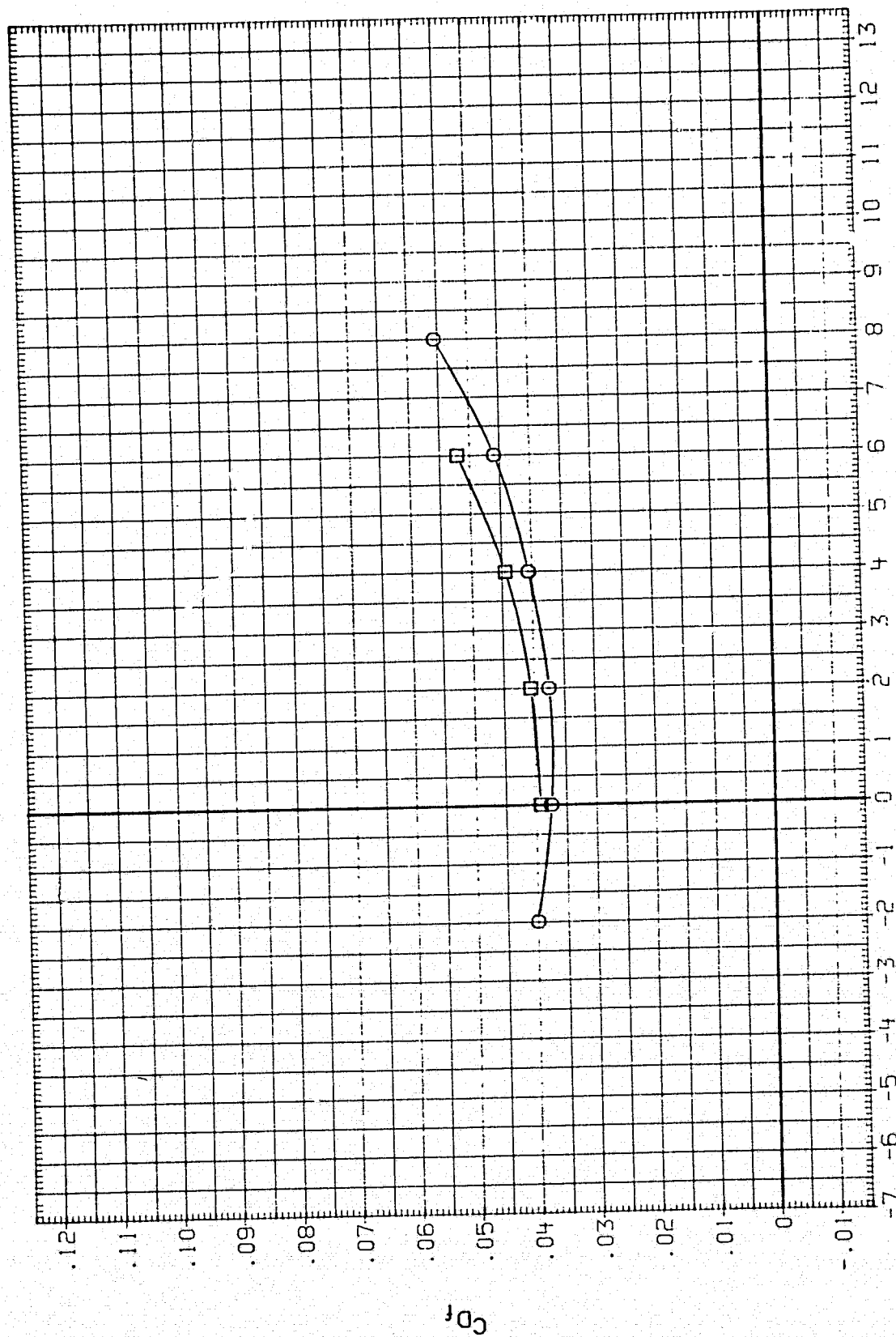


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(C)BETA = -3.00

DATA SET	SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	○	OA1538 B68C12G20M16N28M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	OA1538 B68C12G20M16N28M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

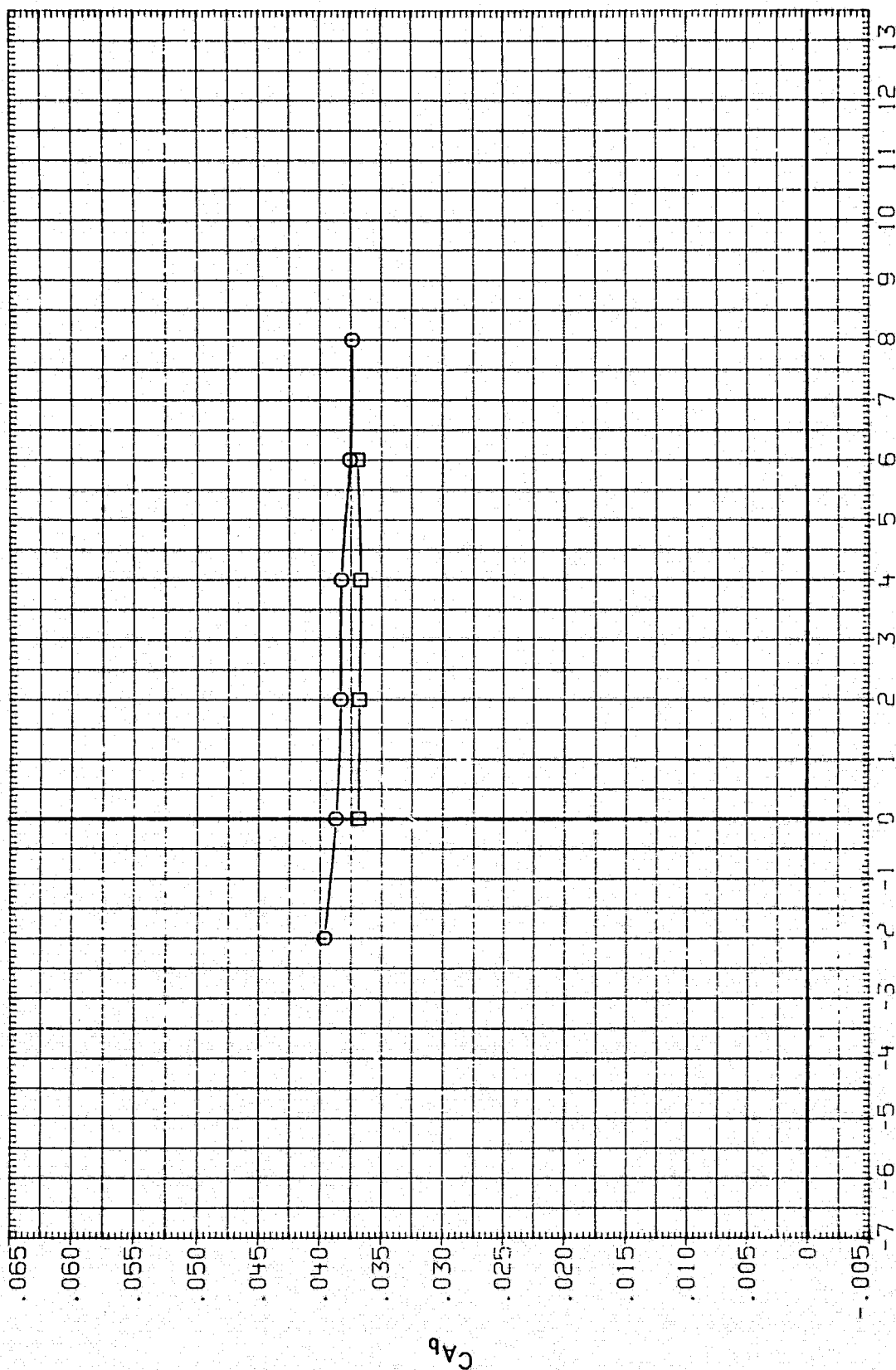


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(C) BETA = -3.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	□	0A1638	B68C12G20M16N28M127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A1638	B68C12G20M16N28M127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

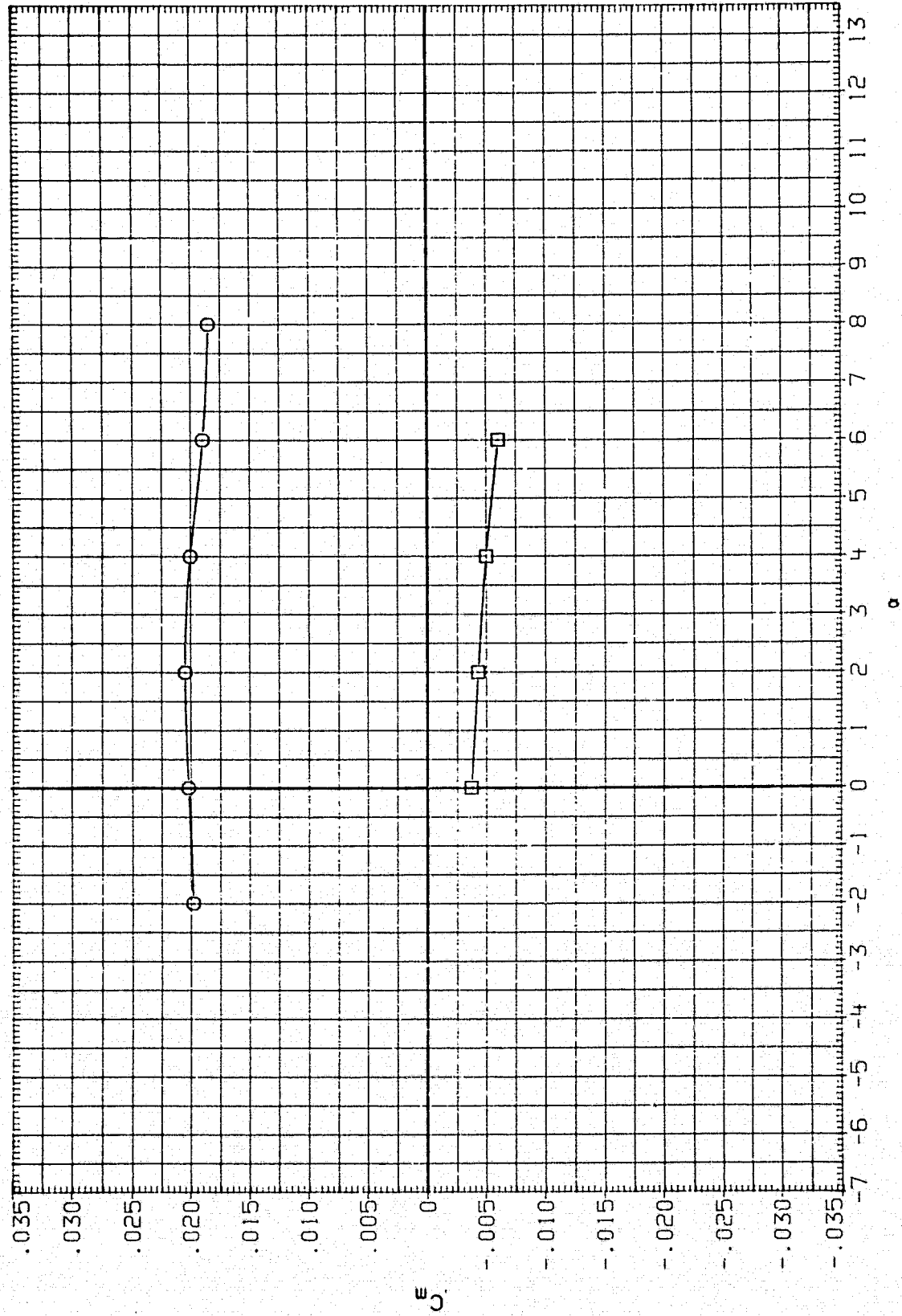


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL

AFPF01
AFPF06

CONFIGURATION

0A1538 968C12G20M16A26M127E5F10V8R5X911
0A1638 968C12G20M16A26M127E5F10V8R5X911

THETAN PHI-N THETML THEIMR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 15.300

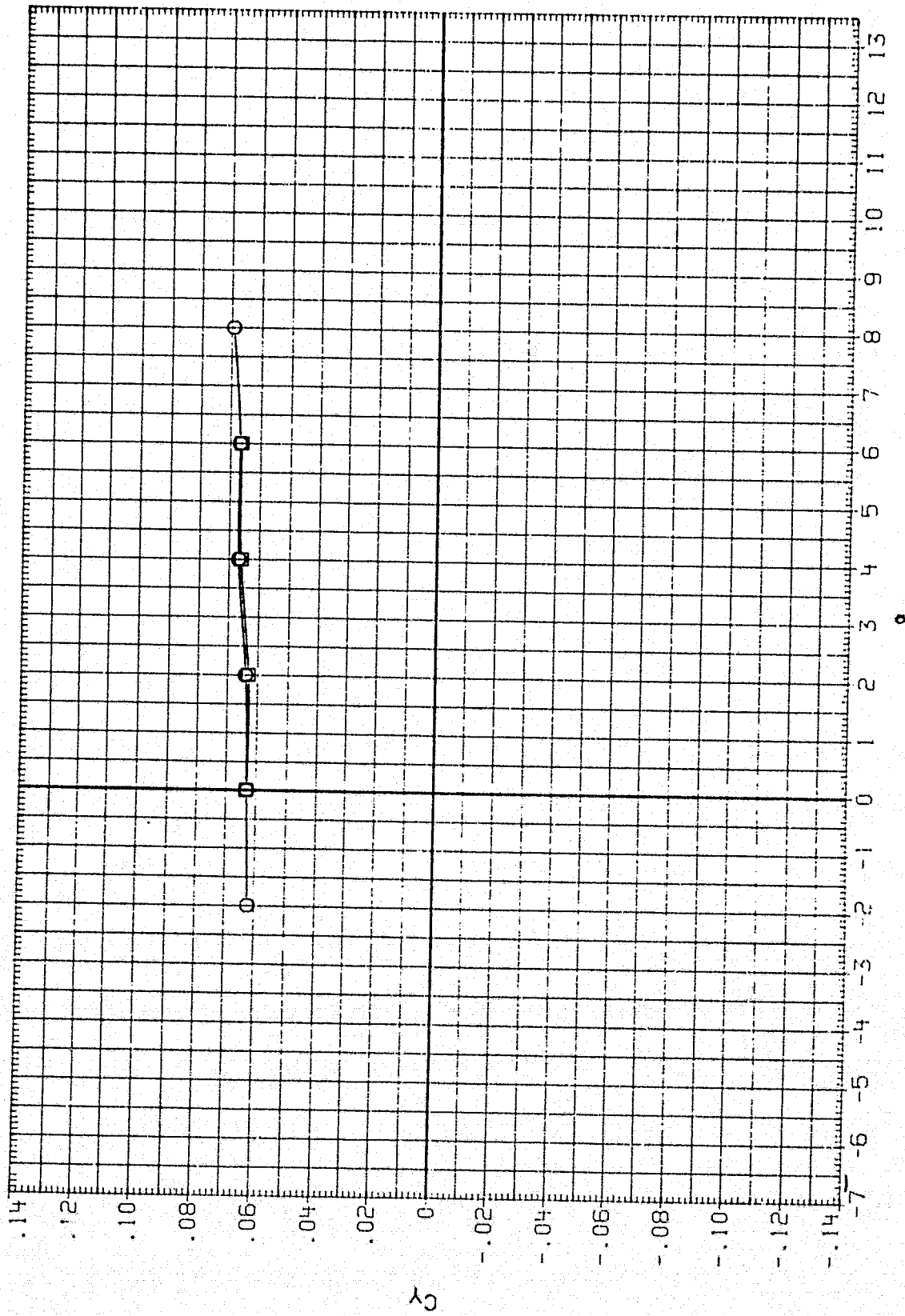


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(C) BETA = -3.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
APF01	□	0A163B	B68C12G20M16N28W127E5T10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APF06	□	0A163B	B68C12G20M16N28W127E5T10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

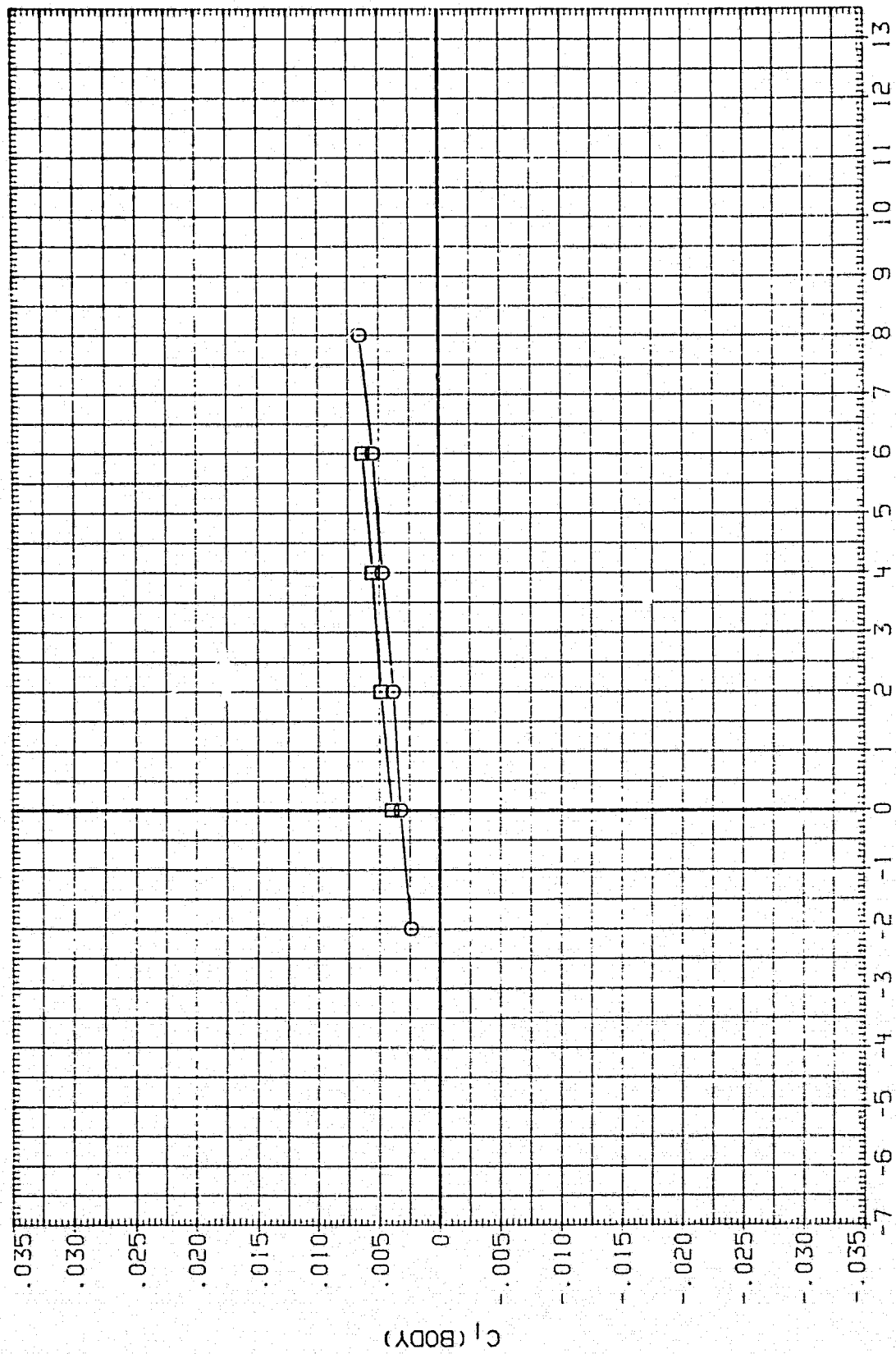


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BOFLAP
APPF01	□	0A1638 B68C12G20M16M28H127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APPF06	□	0A1638 B68C12G20M16M28H127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

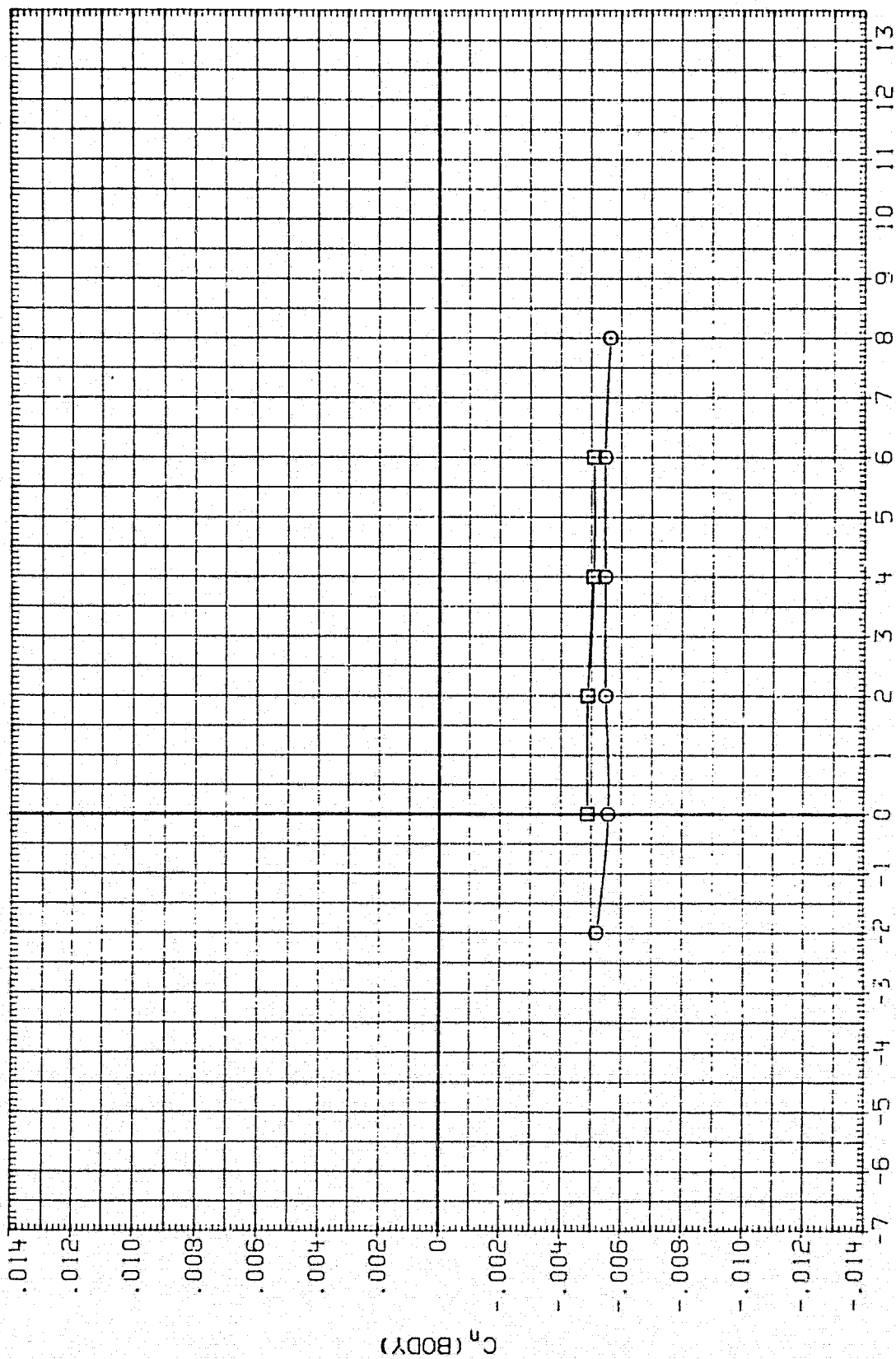


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

'CIBETA = -3.00

DATA SET SYMBOL		CONFIGURATION		THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
AFPT 01	□	0A163B	B6BC12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPT 06	□	0A163B	B6BC12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

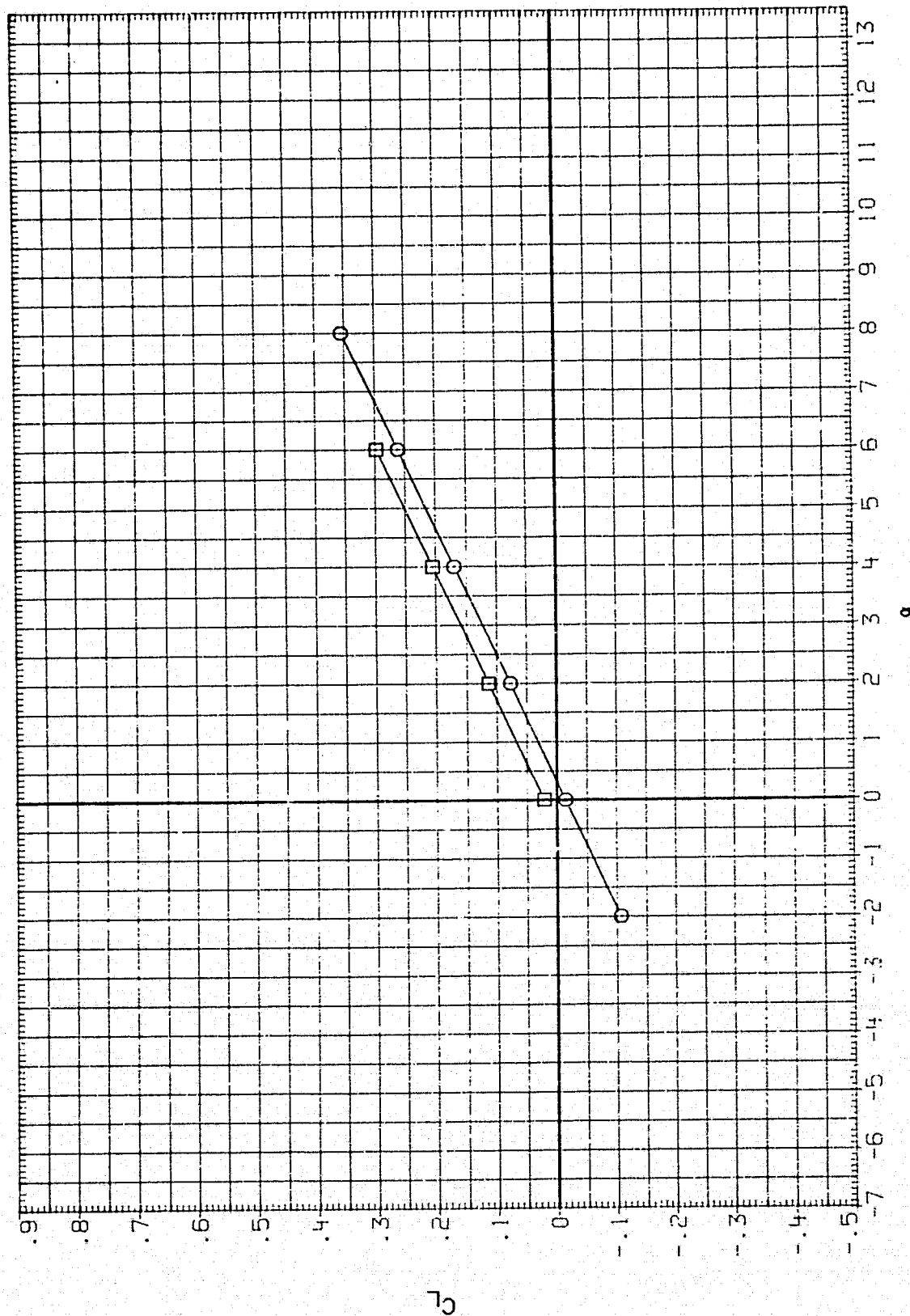


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(D) BETA = -2.00

DATA SET SYMBOL
 AFPF01
 AFPF06

CONFIGURATION
 0A1638 B5RC12G2D416N284127E5F10V855Y911
 0A1638 B5RC12G2D416N284127E5F10V845X911

THETAN PH1-N THETML THETMR PH1-ML PH1-MR ELV-L BDFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
 5.000 30.900 5.000 5.000 32.200 32.200 .000 16.300

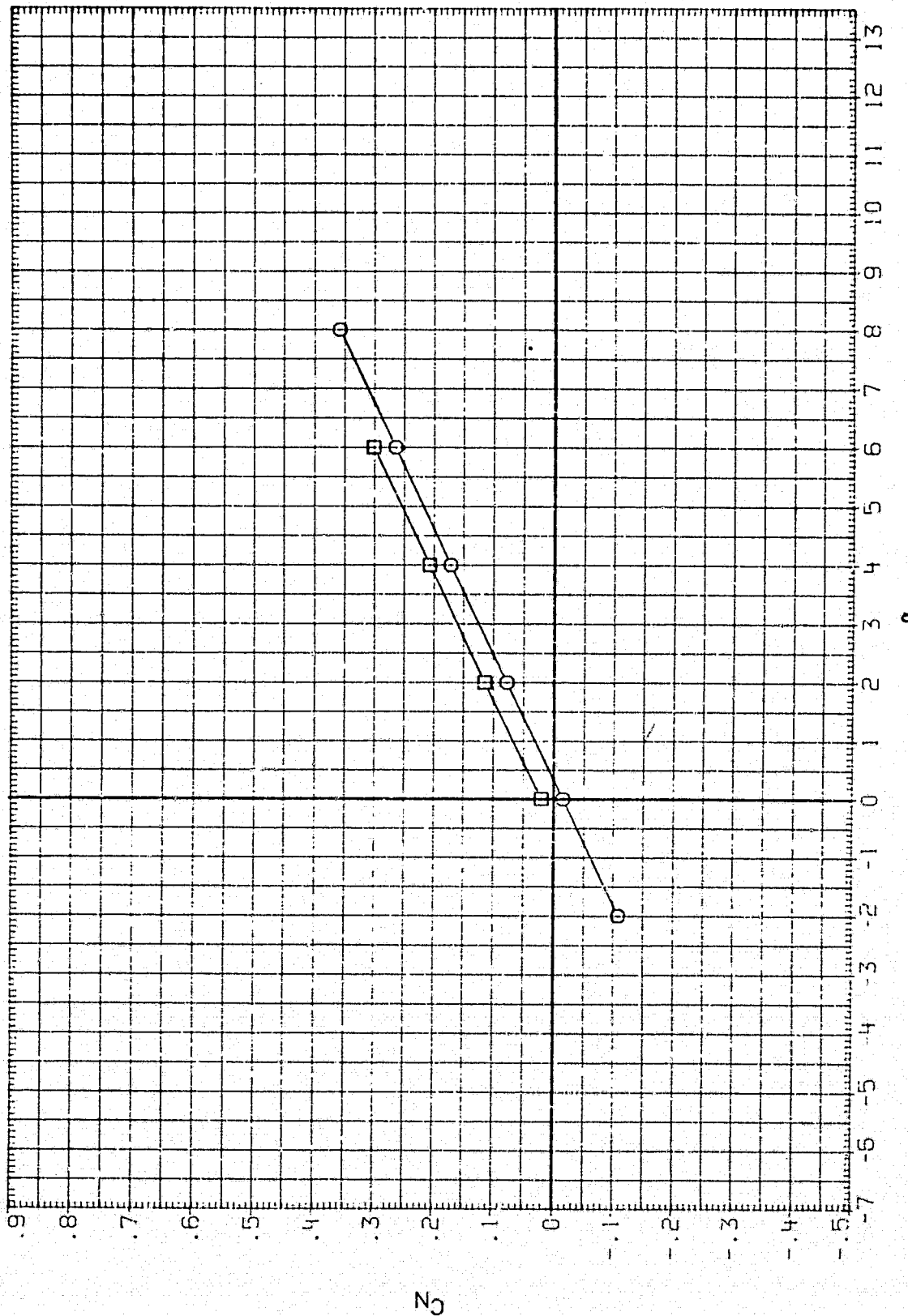


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(D)BETA = -2.00

DATA SET SYMBOL

CONF IGURATION

0A1639 B68C12G2CM16N26M127E5F10V8P5X911
0A163B B68C12G2CM16N26M127E5F10V8P5X911

BOFLAP .000
16.300

ELV-L .000
.000

PHI-MR 32.200
32.200

THE TMR 5.000
5.000

THE TML 5.000
5.000

PHI-N 30.800
30.800

THETAN 5.000
5.000

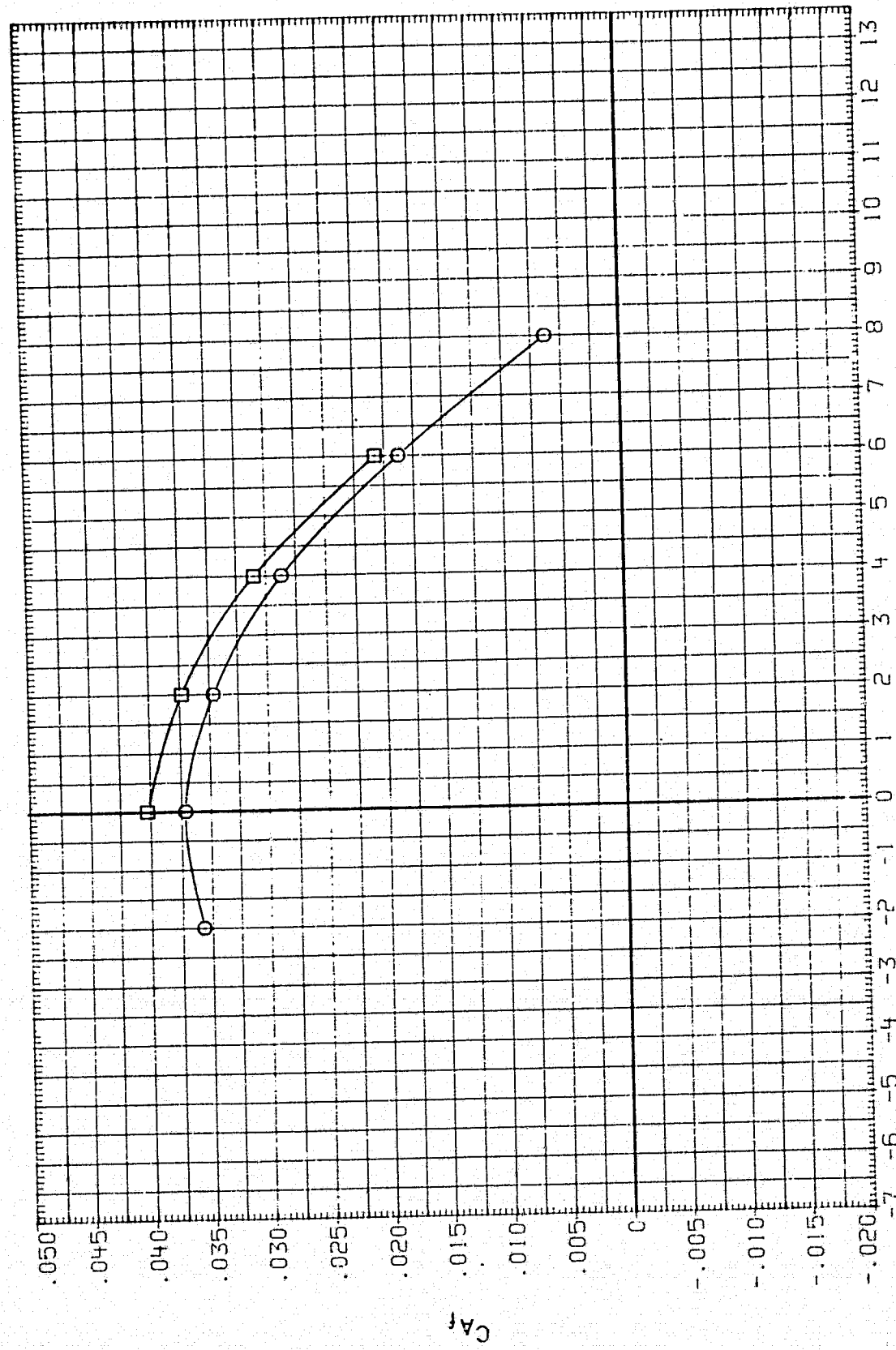


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	9DFLAP
APPF01	0A1638 B6RC12G20M161284127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APPF05	0A1638 B6RC12G20M161284127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

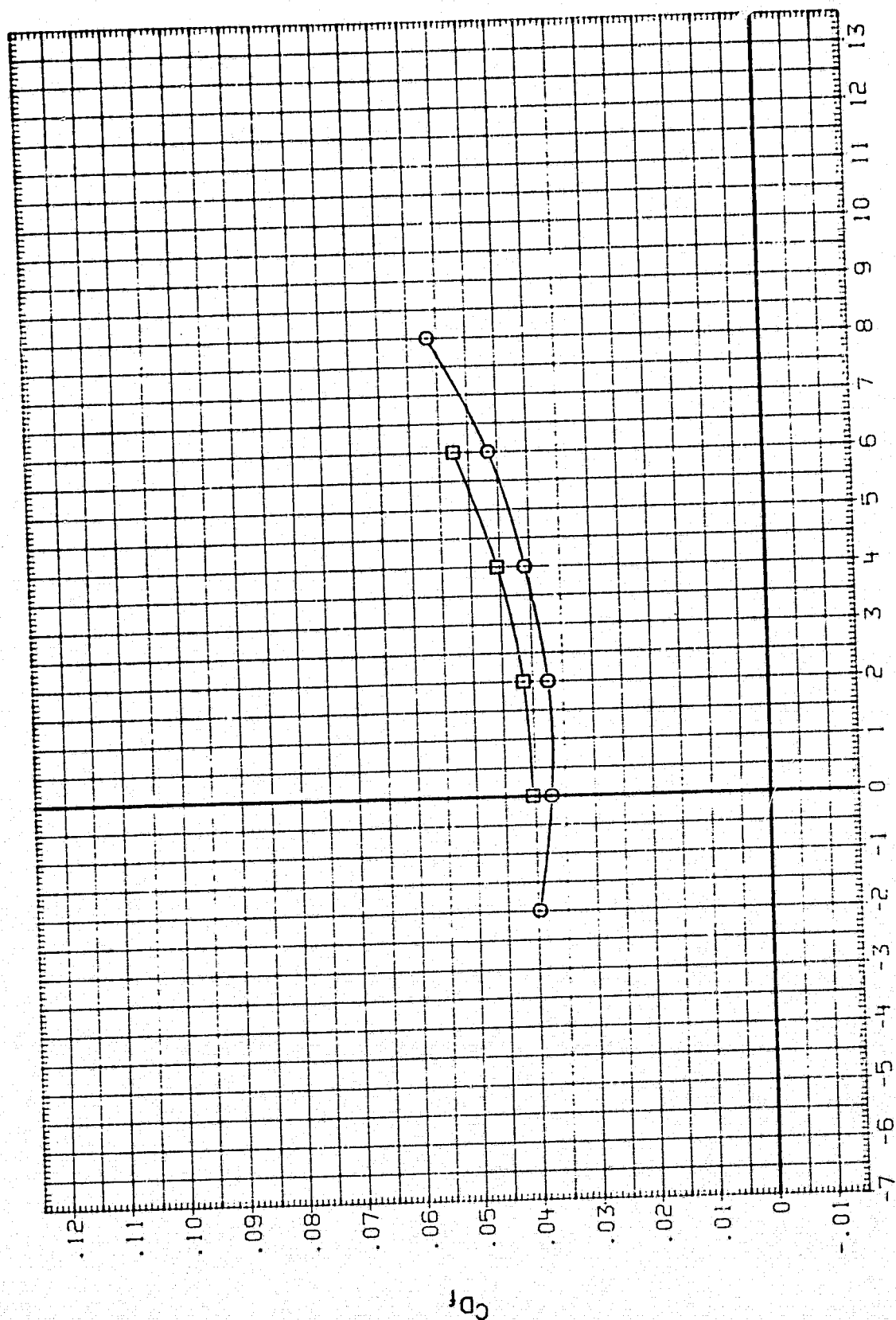


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(D)BETA = -2.00

DATA SET SYMBOL
 APP01 ☐ OAI63B B68C12G20M15A28N127E5F 10V8R5X911
 APP06 ☐ OAI63B B68C12G20M15A28N127E5F 10V8R5X911

CONFIGURATION

THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

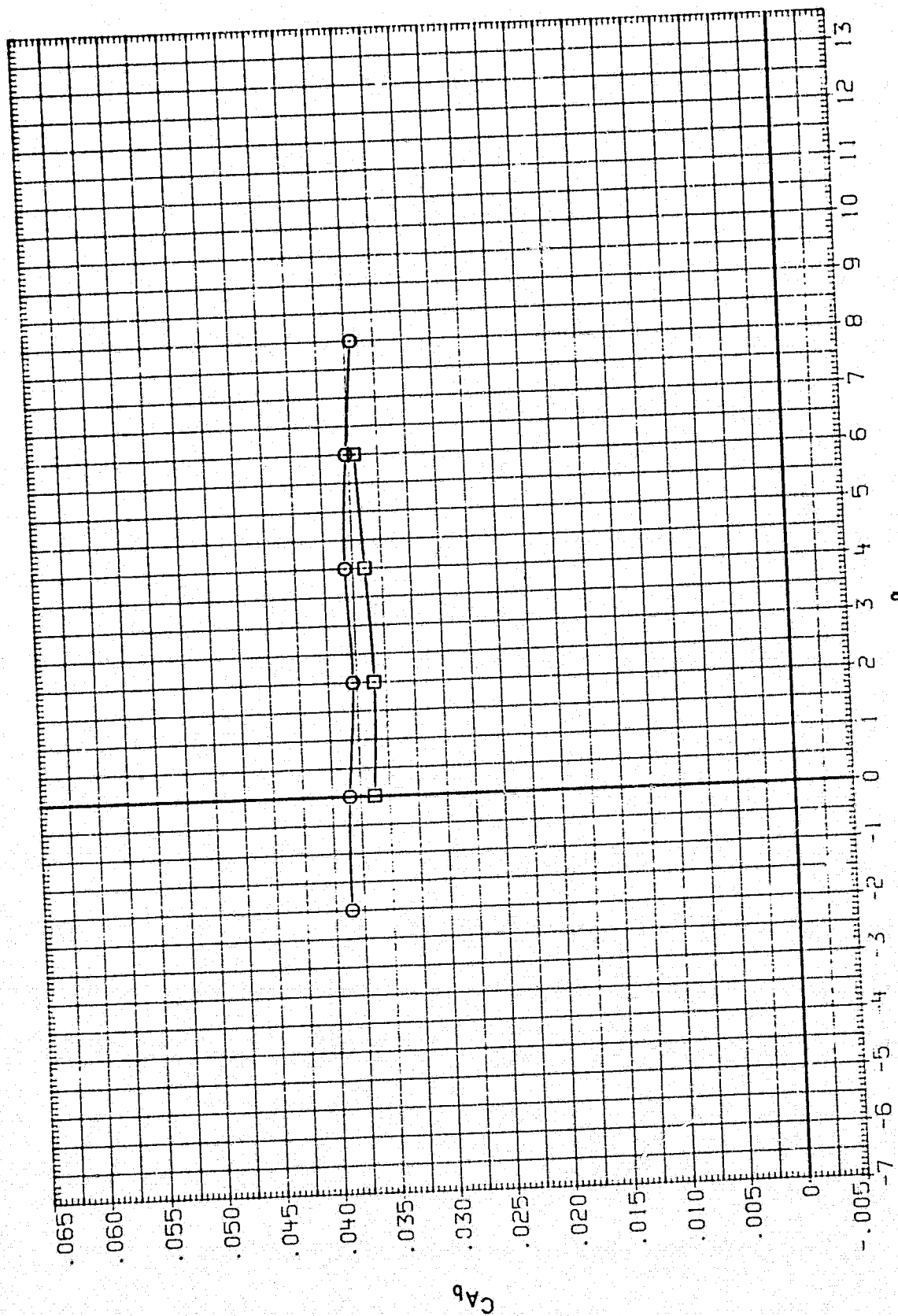


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(D) BETA = -2.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
APF01	0A163B R68C12620M16126X127E5710V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APF06	0A163B B68C12620M16126X127E5710V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

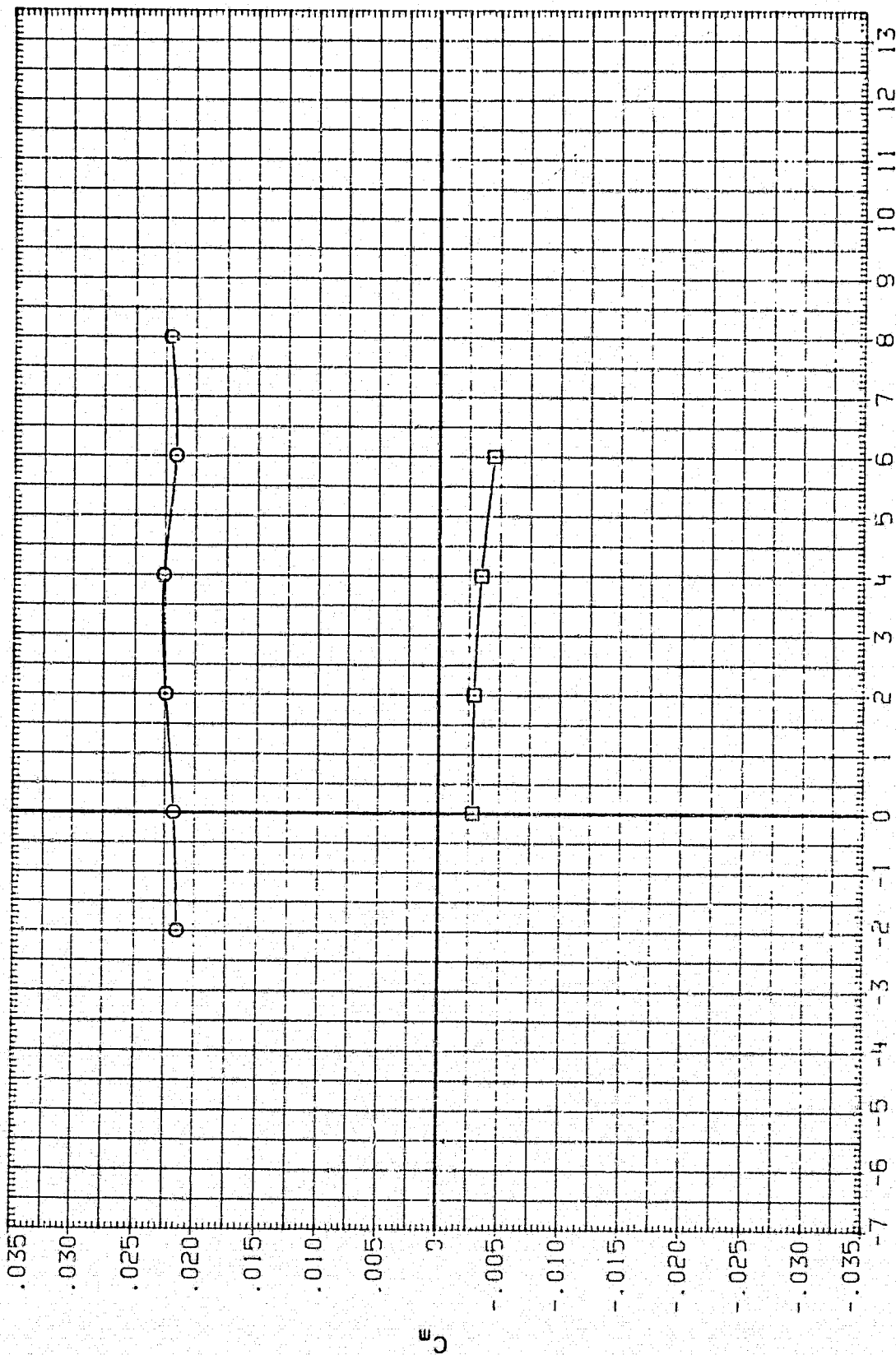


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(D) BETA = -2.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELY-L	BDF LAP
AFPF01	0A153B B68C12C20M16N28M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	0A153B B68C12C20M16N28M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

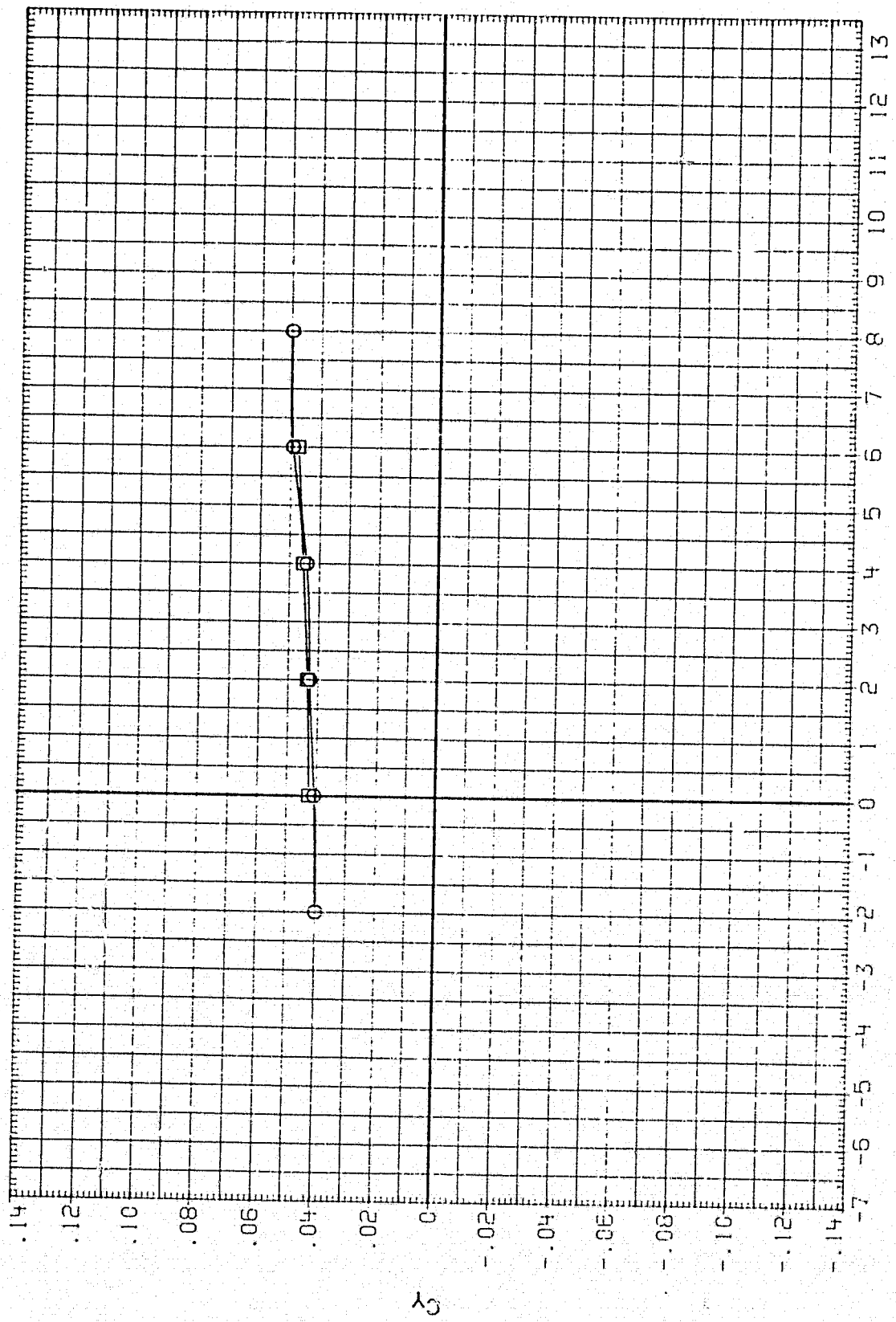


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(D) BETA = -2.00

DATA SET SYMBOL

APFF01
APFF06

○
□

CONFIGURATION

0A163B 968C12G20M16N28M127E5F10V8P5X911
0A163B 968C12G20M16N28M127E5F10V8P5X911

THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BD FLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

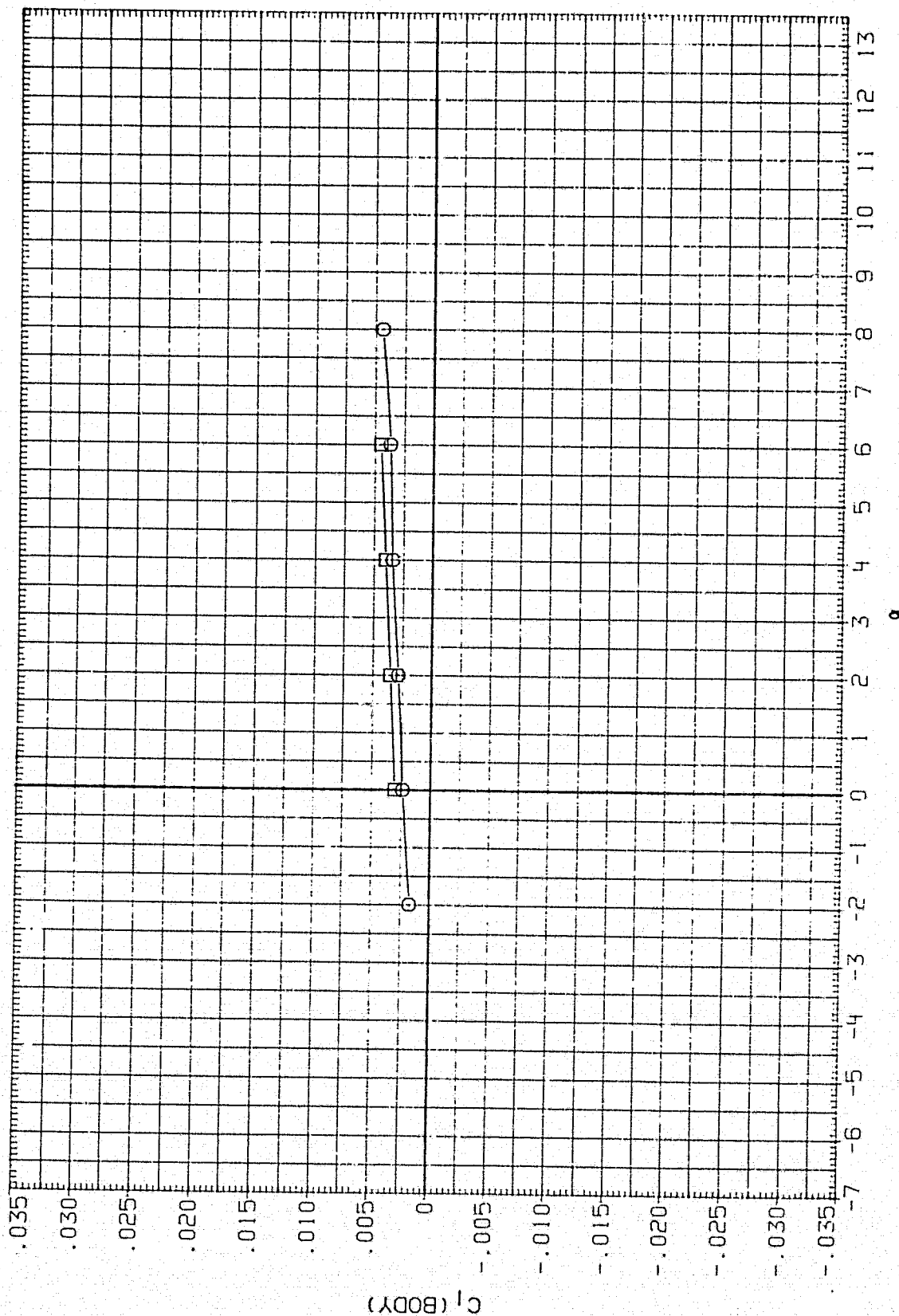


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(D) BETA = -2.00

DATA SET SYMBOL		CONFIGURATION		THETAN		PHI-N		THETML		THETMR		PHI-ML		PHI-MR		ELV-L		90FLAP	
AFPF01	○	0A153B	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	30.800	5.000	5.000	5.000	5.000	32.200	32.200	32.200	32.200	.000	.000		
AFPF06	□	0A153B	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	30.800	5.000	5.000	5.000	5.000	32.200	32.200	32.200	32.200	.000	.000		16.300

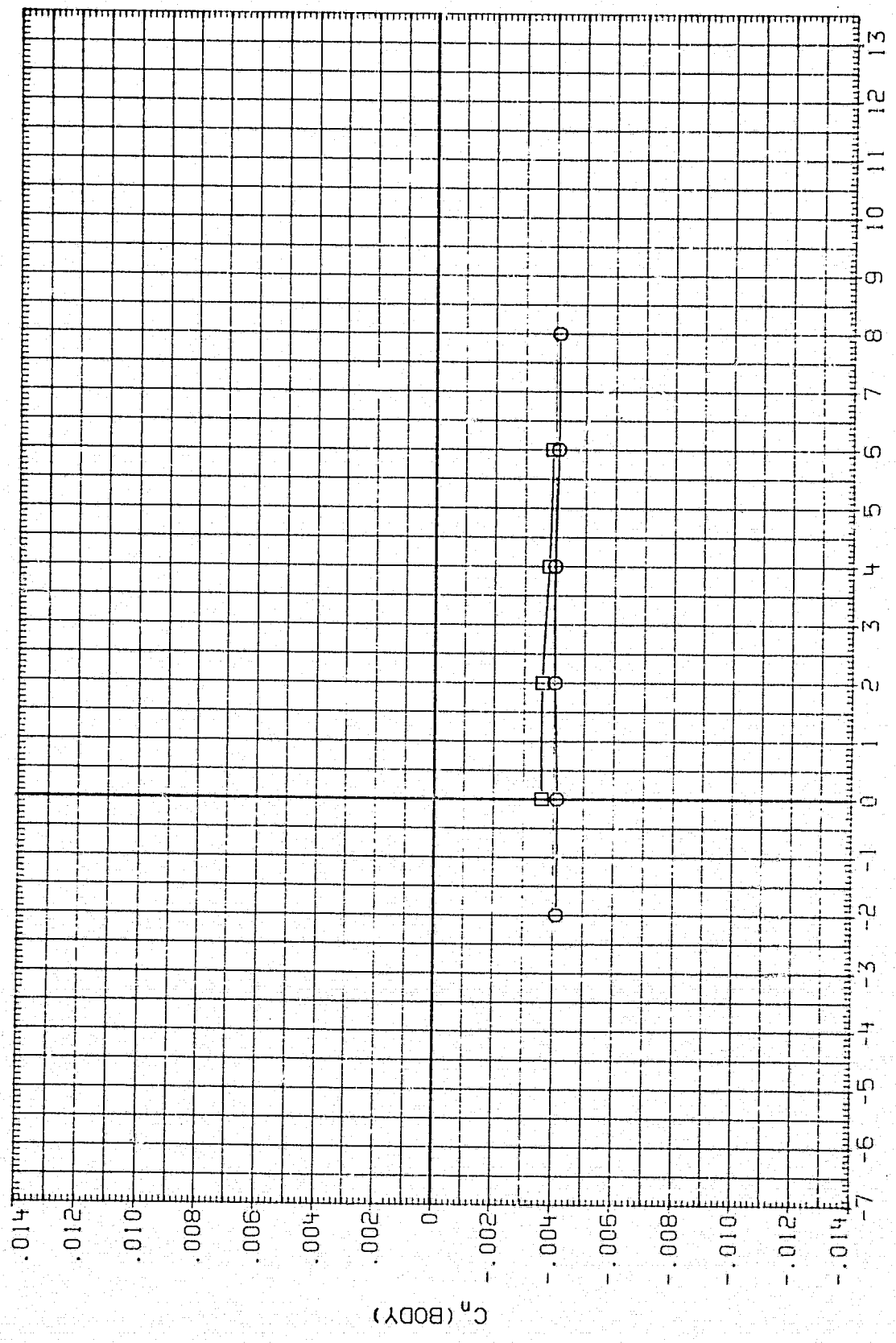


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(D) BETA = -2.00

DATA SET SYMBOL	CONFURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A1638 B68C12020M16N28N127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	0A1638 B68C12020M16N28N127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

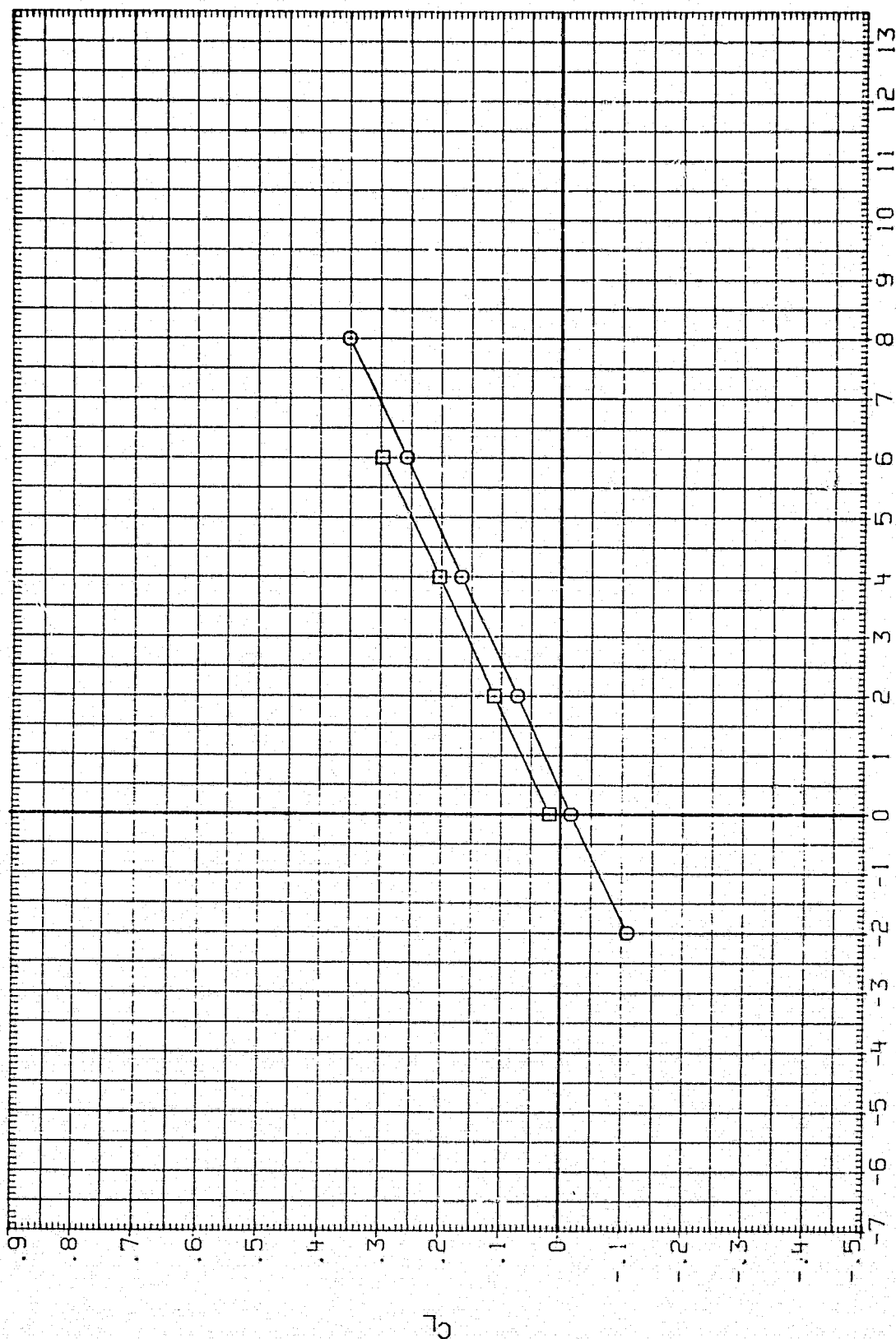


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL CONFIGURATION

AFPF01 O OA163B B68C12020M16N28M127E5F10V8R5X911

AFPF06 □ OA163B B68C12020M16N28M127E5F10V8R5X911

THETAN PHIN THETML THETMR PHIML PHIMR ELV-L BDFLAP

5.000 30.800 5.000 5.000 32.200 32.200 .000 .000

5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

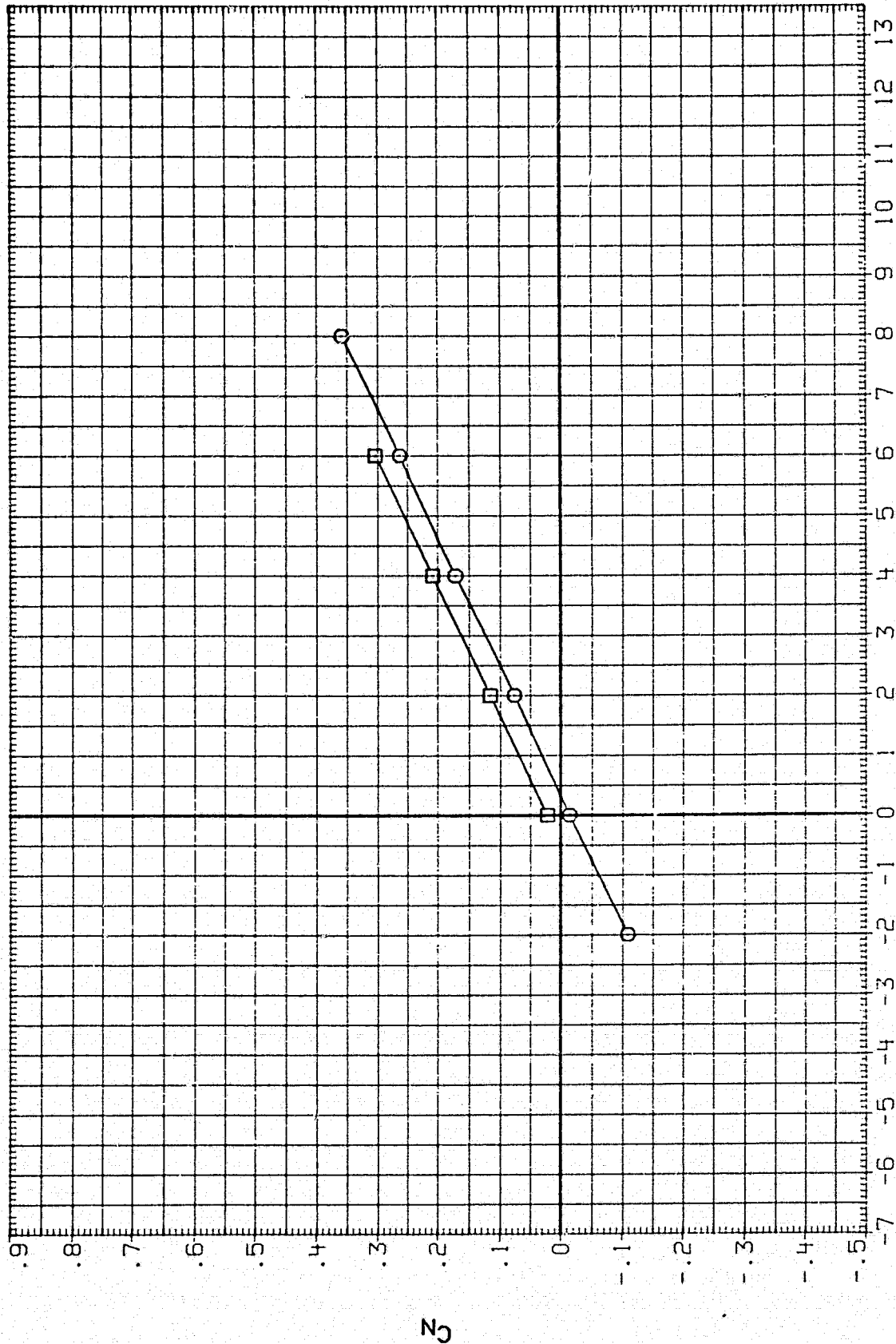


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL

ATPF01
ATPF06

0A163B
0A163B

CONF IGURATION

B68C12G20M16N28M127E5F10V8R5X911
B68C12G20M16N28M127E5F10V8R5X911

THE TAN 5.000
PHI -N 30.800
30.800

THE TML 5.000
5.000

THE TMR 5.000
5.000

PHI -ML 32.200
32.200

PHI -MR 32.200
32.200

ELV -L .000
.000

BDF LAP .000
16.300

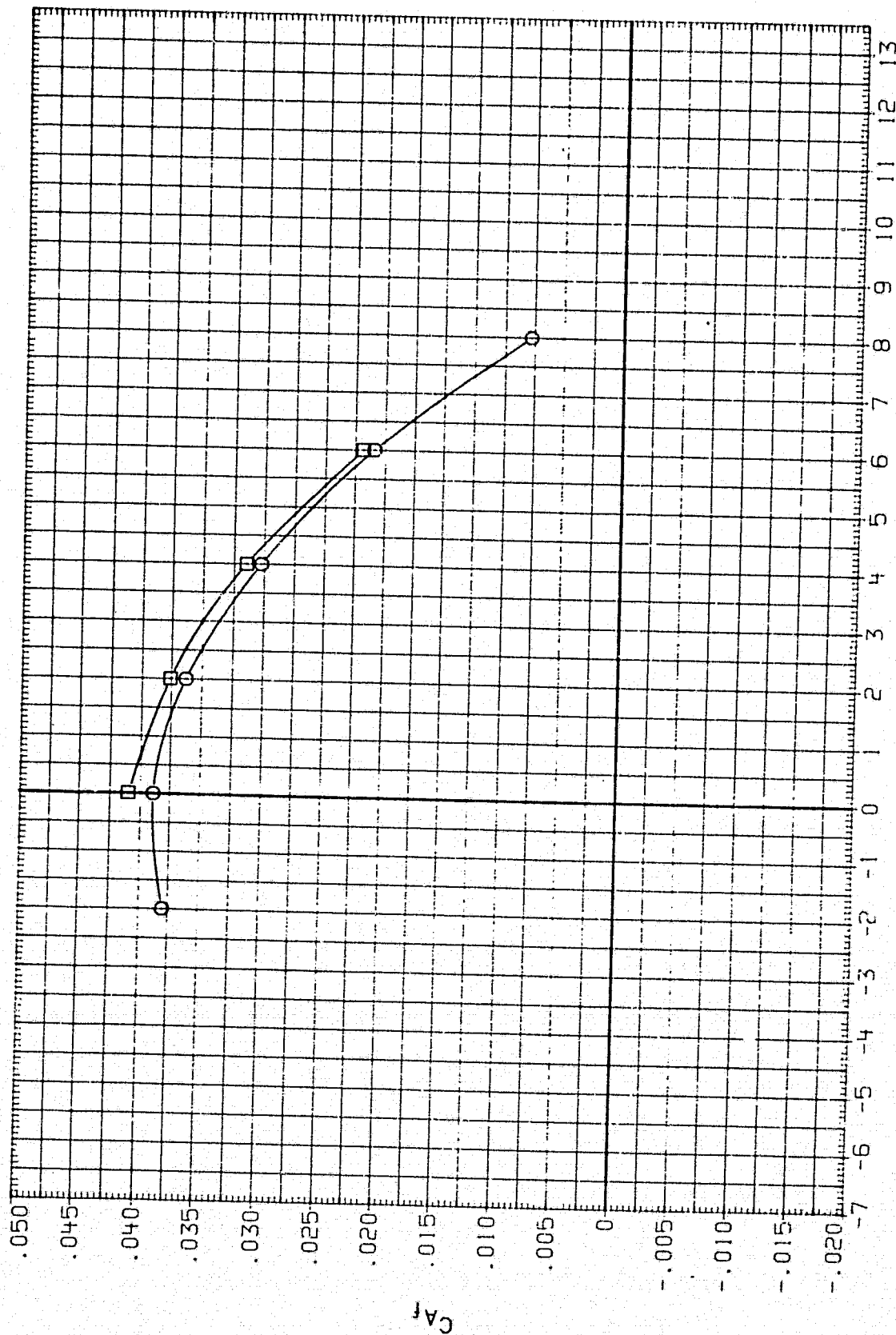


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(E) BETA = -1.00

DATA SET SYMBOL
 APPF01
 APPF06

CONF IGURATION

0A1638 B68C12C20M16128M127E5F10V8R5X911
 0A1638 B68C12C20M16128M127E5F10V8R5X911

THETA	PHI - N	THETA	THETA	THETA	PHI - ML	PHI - MR	ELV - L	BDF LAP
5.000	30.800	5.000	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	5.000	32.200	32.200	.000	16.300

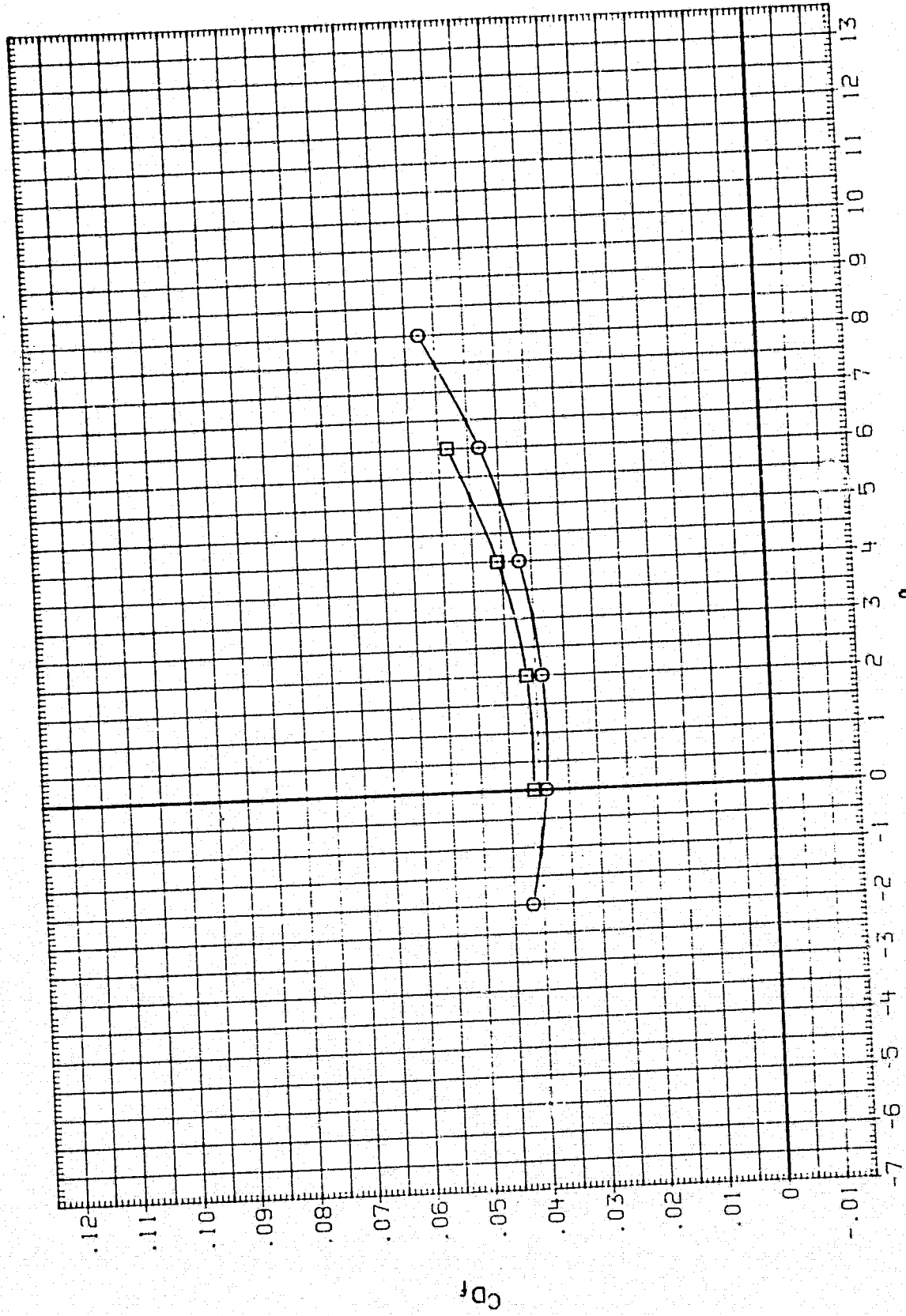


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL
 APP01
 APP05

CONFIGURATION

0A1635 B58C12020M164284127E5F10V85X911
 0A1635 B58C12020M164284127E5F10V85X911

THE TAN 5.000 5.000
 PHI-N 30.800 30.800
 THE TML 5.000 5.000
 THE TMR 5.000 5.000
 PHI-ML 32.200 32.200
 PHI-MR 32.200 32.200
 ELV-L .000 .000
 BOFLAP 16.300 .000

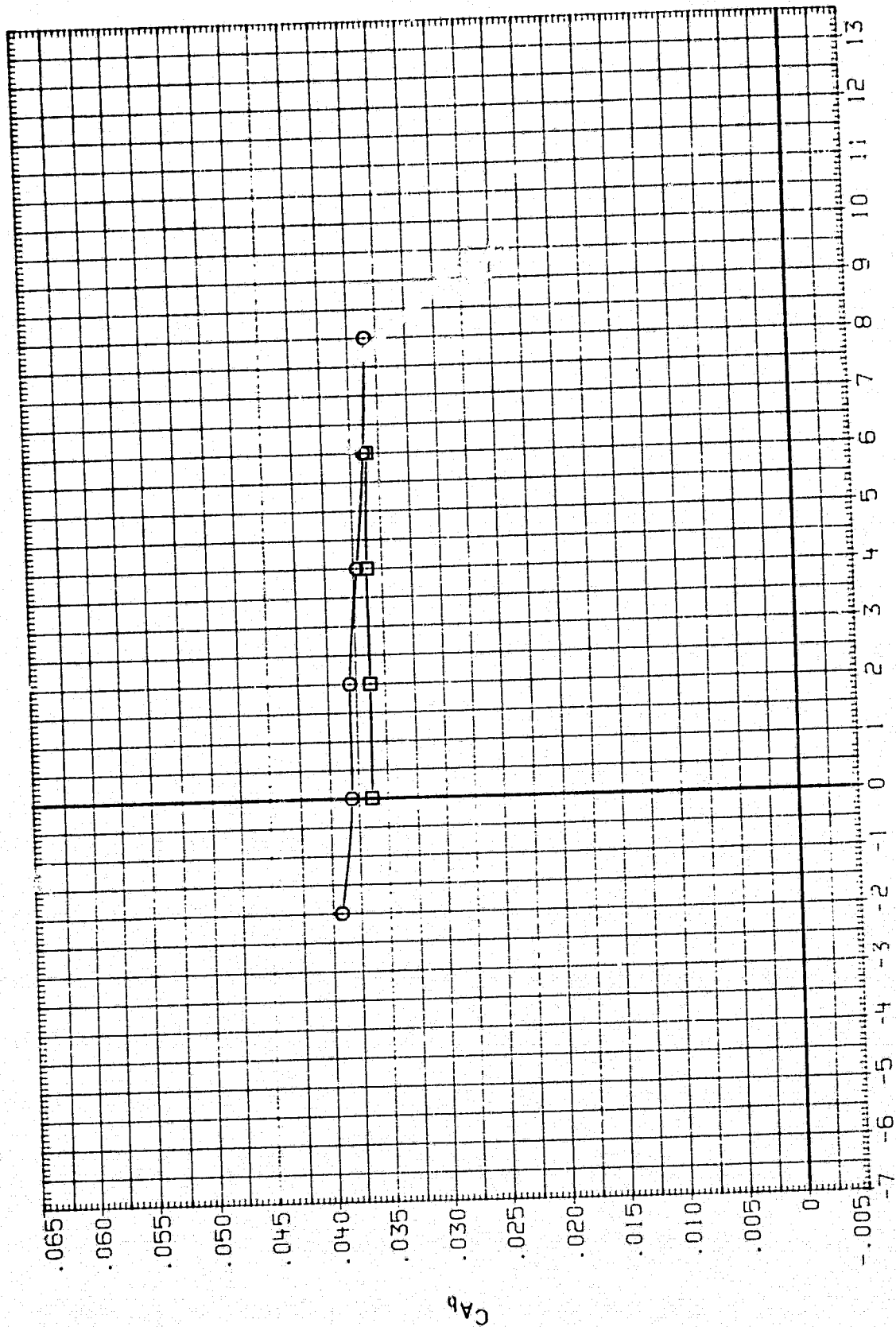


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL
 AFF01 ☐ OA163B B68C12G20M16N28M127L5F10V8P5X911
 AFF06 ☐ OA163B B68C12G20M16N28M127L5F10V8P5X911

CONF TOURATION

THE TAN PHI-N THE TML THE TMR PHI-ML PHI-MR ELV-L BDFLAP
 5.000 30.800 5.000 32.200 32.200 .000 .000
 5.000 30.800 5.000 32.200 32.200 .000 16.300

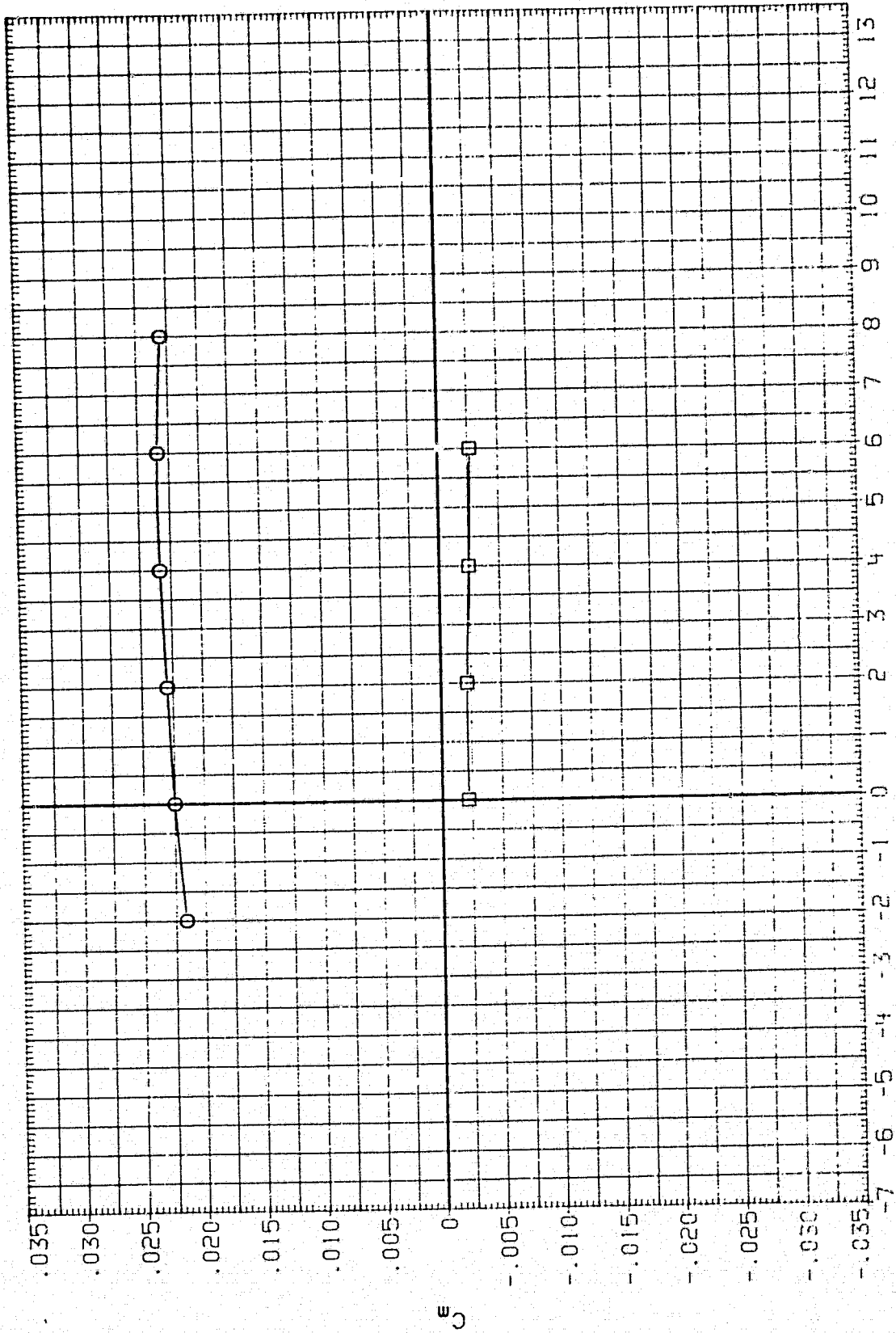


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL

ATPF01
ATPF06

□

CONFIGURATION

0A1638 B66C12020M16N28W127E5F 10V8R5X911
0A1638 B66C12020M16N28W127E5F 10V8R5X911

THE TAN 5.000 5.000 5.000
PHI-N 30.800 30.800 30.800
THE TML 5.000 5.000 5.000
THE TMR 5.000 5.000 5.000
PHI-ML 32.200 32.200 32.200
PHI-MR 32.200 32.200 32.200
ELV-L .000 .000 .000
BODY LAP 16.300 .000 .000

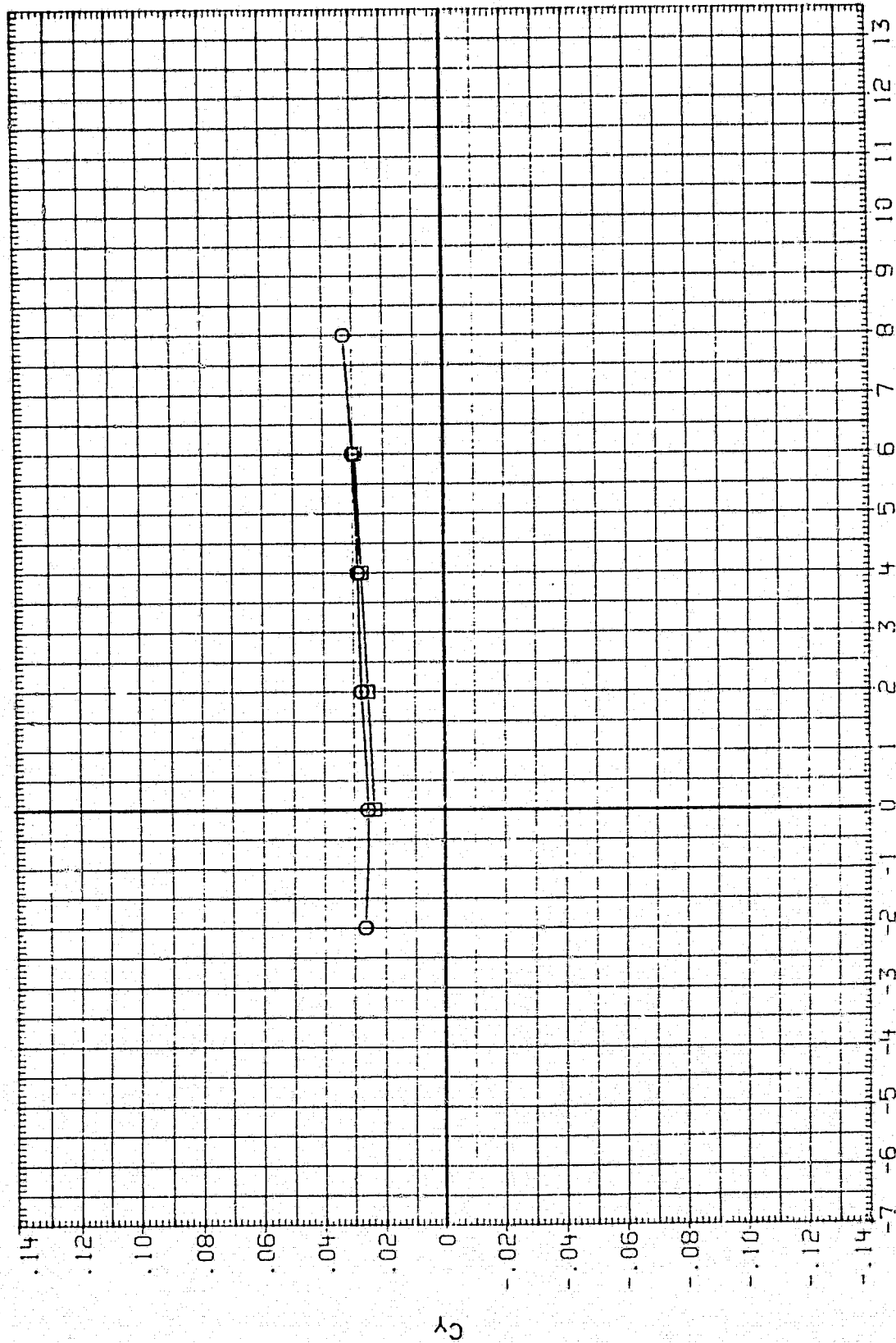


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL

APF01
APF05

□

CONFIGURATION

0A163B B68C12G20M16N26M127E5F 10V85X911
C1163B B68C12G20M16N26M127E5F 10V85X911

THETAN 5.000 5.000
PHI-N 30.800 30.900
THETML 5.000 5.000
THETMP 5.000 5.000
PHI-ML 32.200 32.200
PHI-MR 32.200 32.200
ELV-L .000 .000
BDFLAP .000 16.300

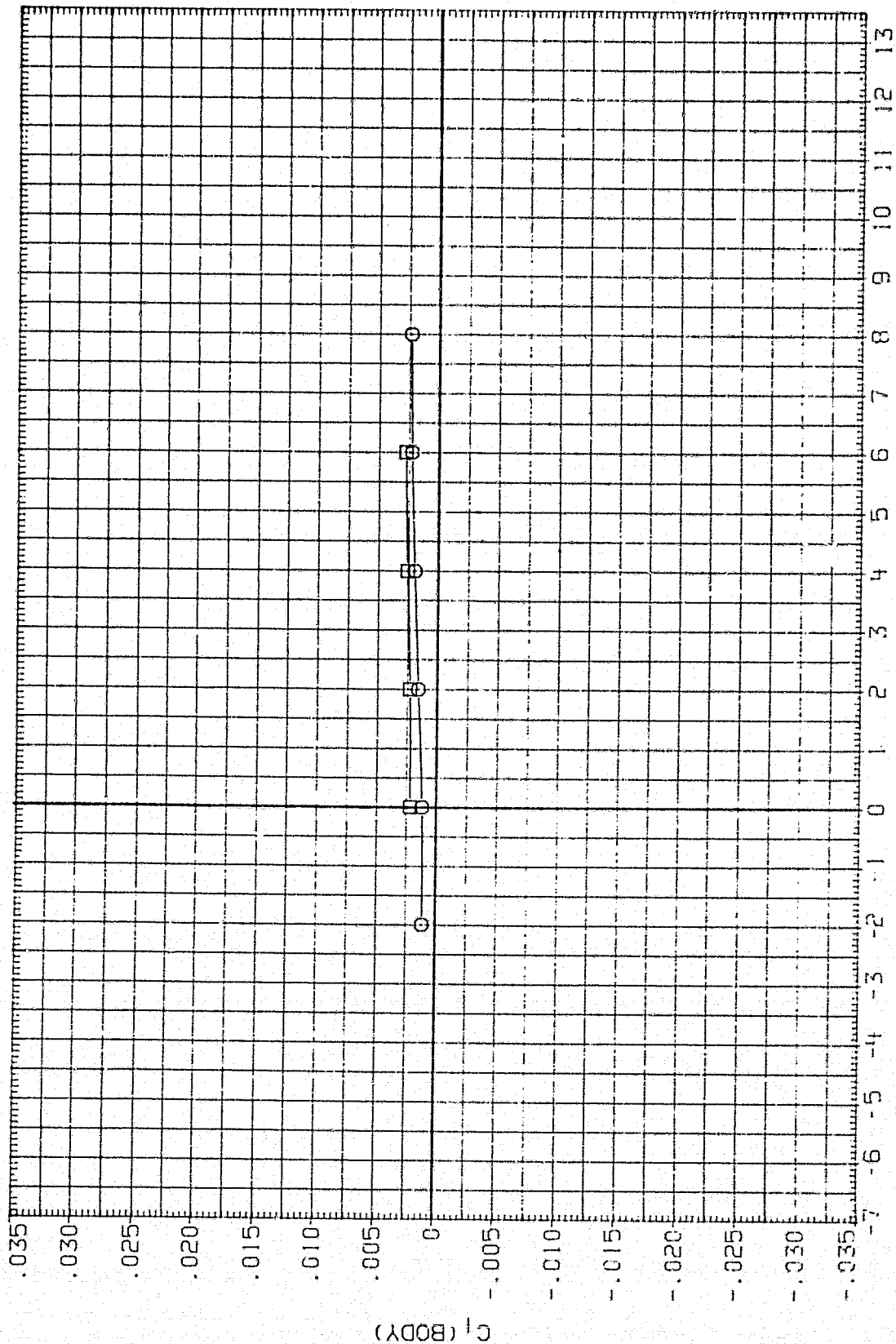


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL		CONFIGURATION		THETA	PHI-N	THETA	THETA	PHI-ML	PHI-MR	ELV-L	BOFLAP
APF01	□	0A1638	B68C12G20M16A28M127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APF06	□	0A1638	B68C12G20M16A28M127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

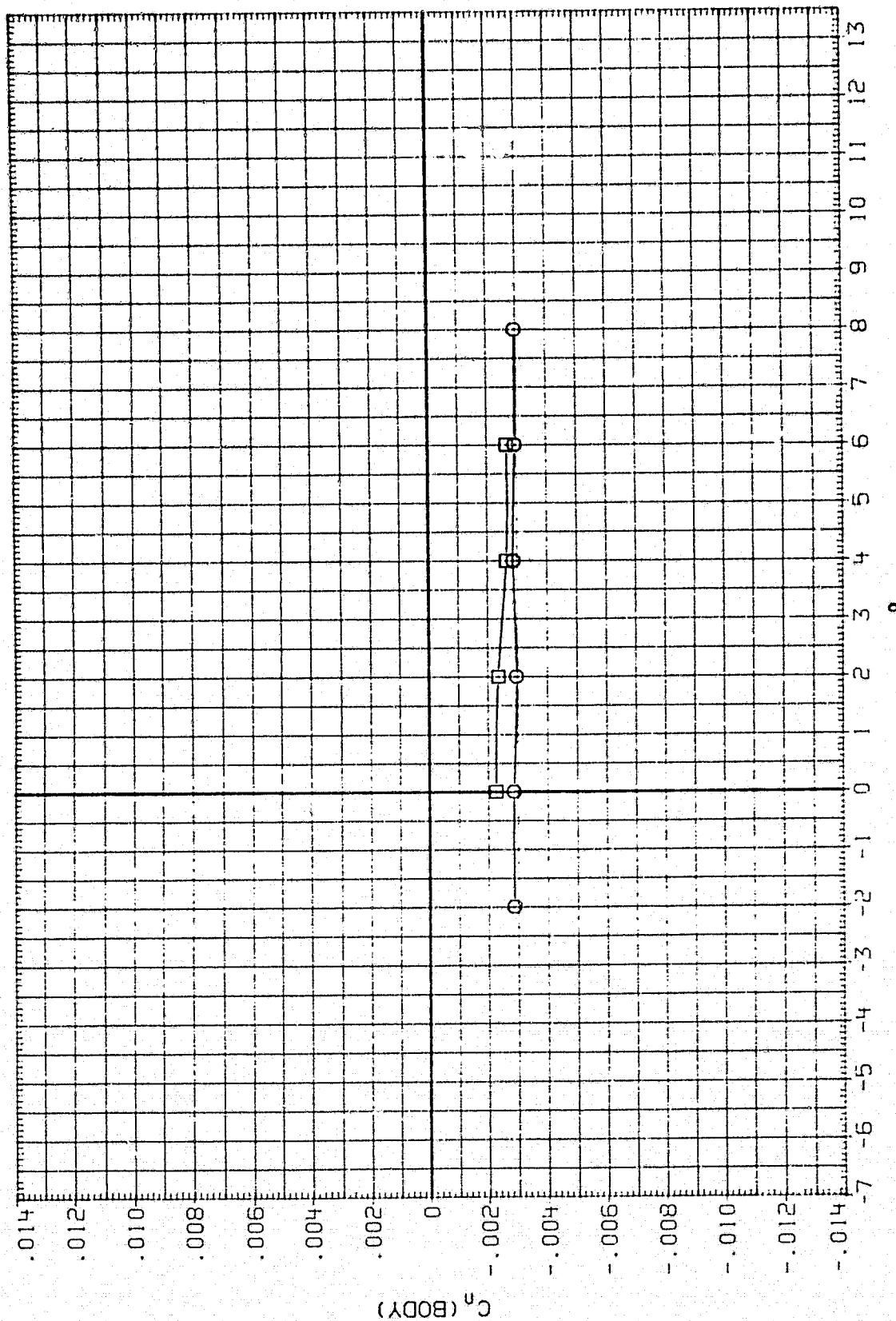


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(E)BETA = -1.00

DATA SET SYMBOL CONFIGURATION
 AFP01 ○ OA1638 B59C12020M16428W127E5F10V8R5X911
 AFP06 □ OA1638 B68C12020M16428W127E5F10V8R5X911

THETAN	PHI-N	THETML	THEIMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

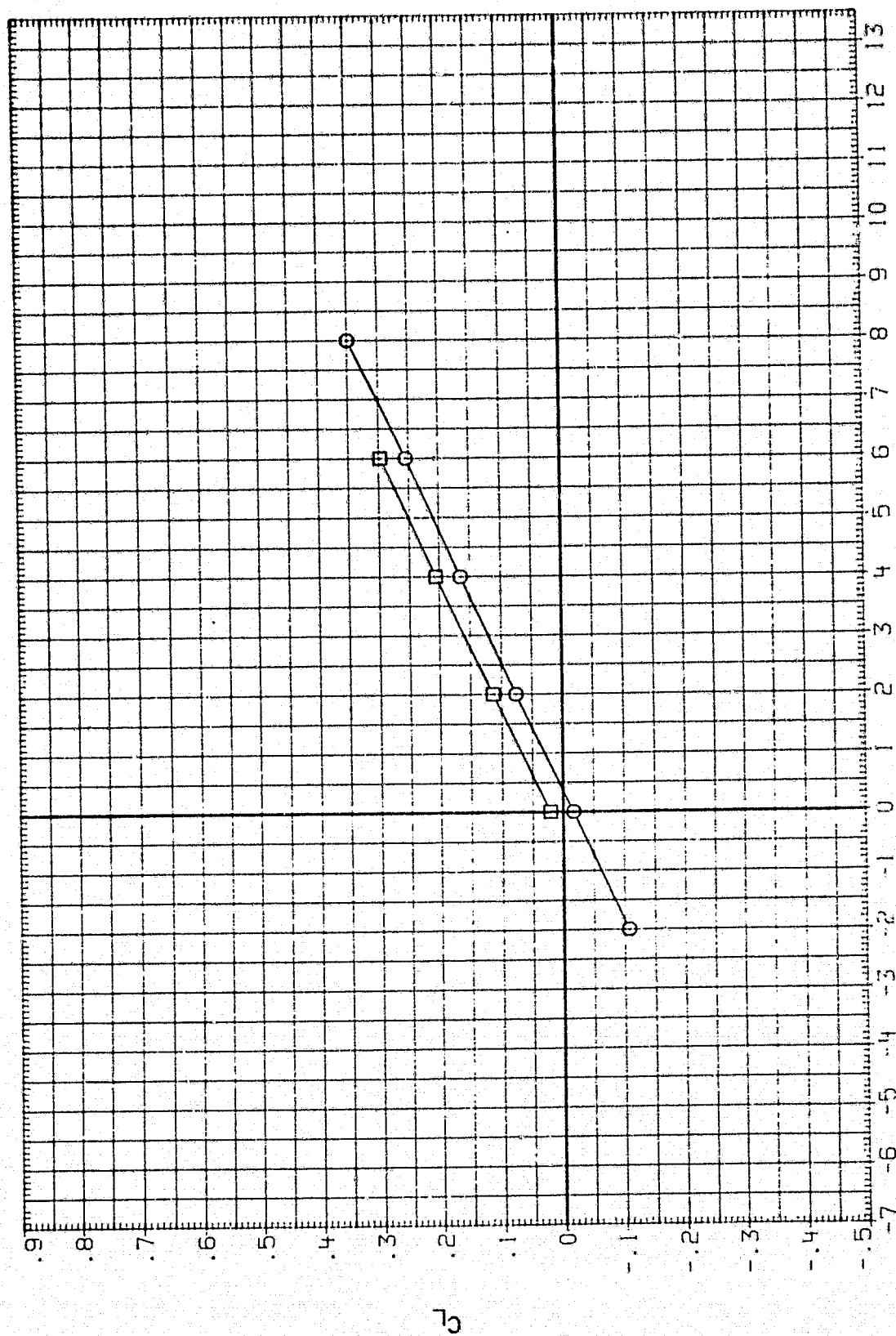


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(F)BETA = .00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPT01	0A1638 B58C12G20M16N28W127E5F 10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPT06	0A1638 B58C12G20M16N28W127E5F 10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

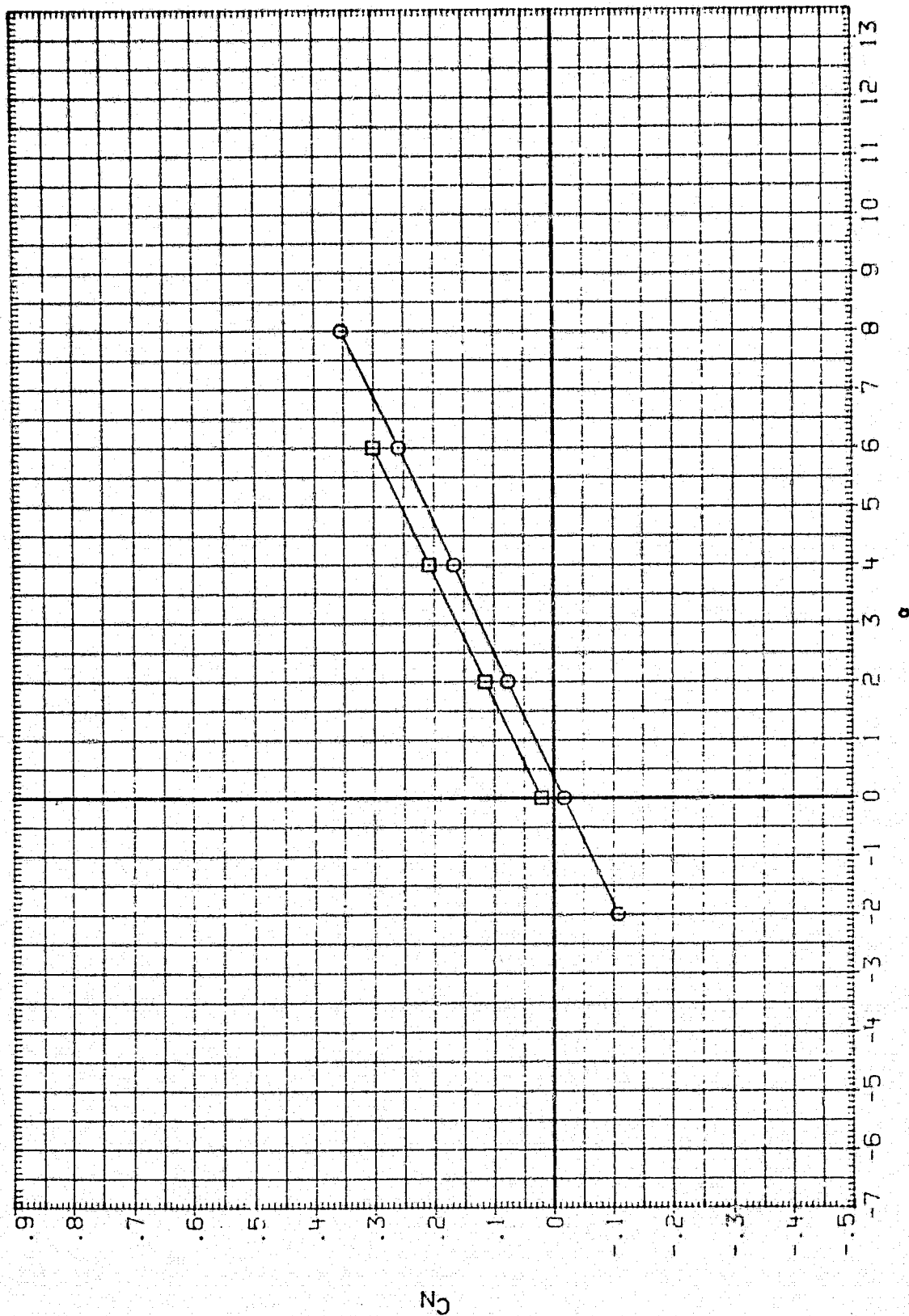


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(F) BETA = .00

0-3

DATA SET	SYMBOL	CONF	GURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	○	0A163B	B68C12G20M16N28M127E5F10Y8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A163B	B68C12G20M16N28M127E5F10Y8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	15.300

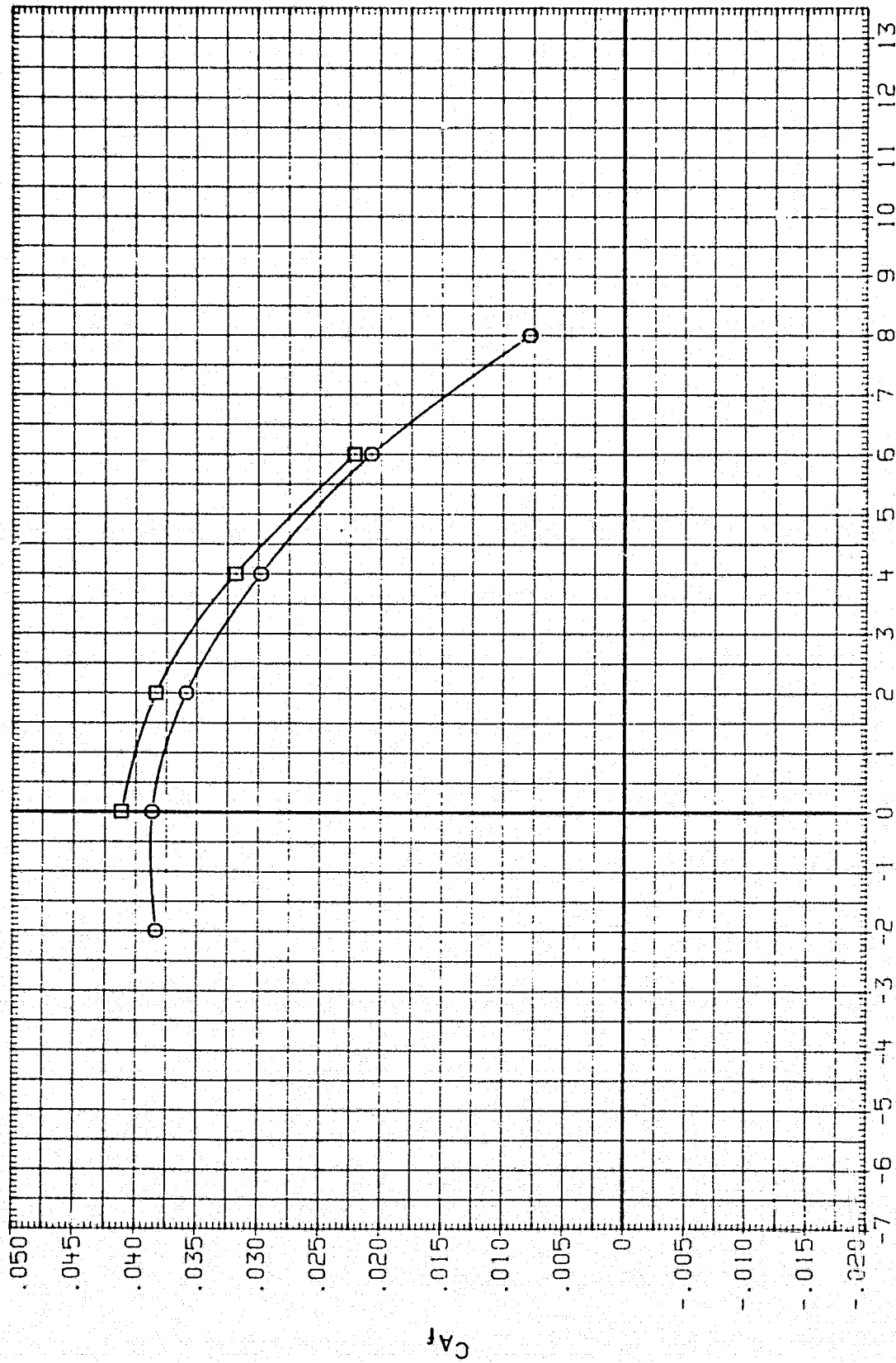


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL

APPF01
APPF05

CONFIGURATION

CA1638 B68C12G20M16N28W127E5F10V8R5X911
OA1638 B68C12G20M16N28W127E5F10V8R5X911

THETAN 5.000 5.000
PHI-N 30.800 30.800
THETML 5.000 5.000
THETMR 5.000 5.000
PHI-ML 32.200 32.200
PHI-MR 32.200 32.200
ELV-L .000 .000
BDFLAP .000 16.300

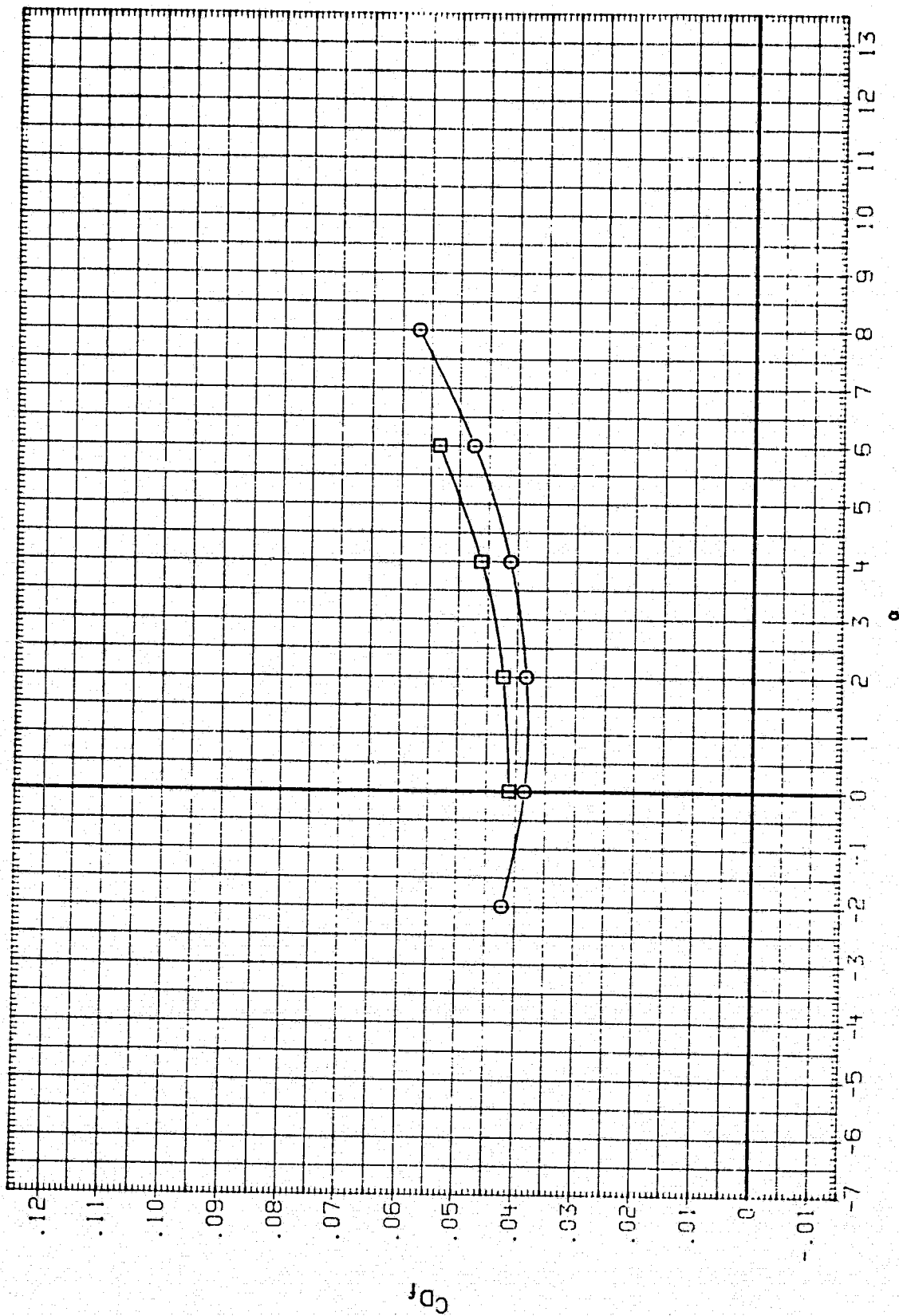


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(F)BETA = .00

DATA SET SYMBOL	CG:FCURATION	THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BDF LAP
AFPF01	0A163B B68C12C2DM16N28N127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	0A163B B68C12C2DM16N28N127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

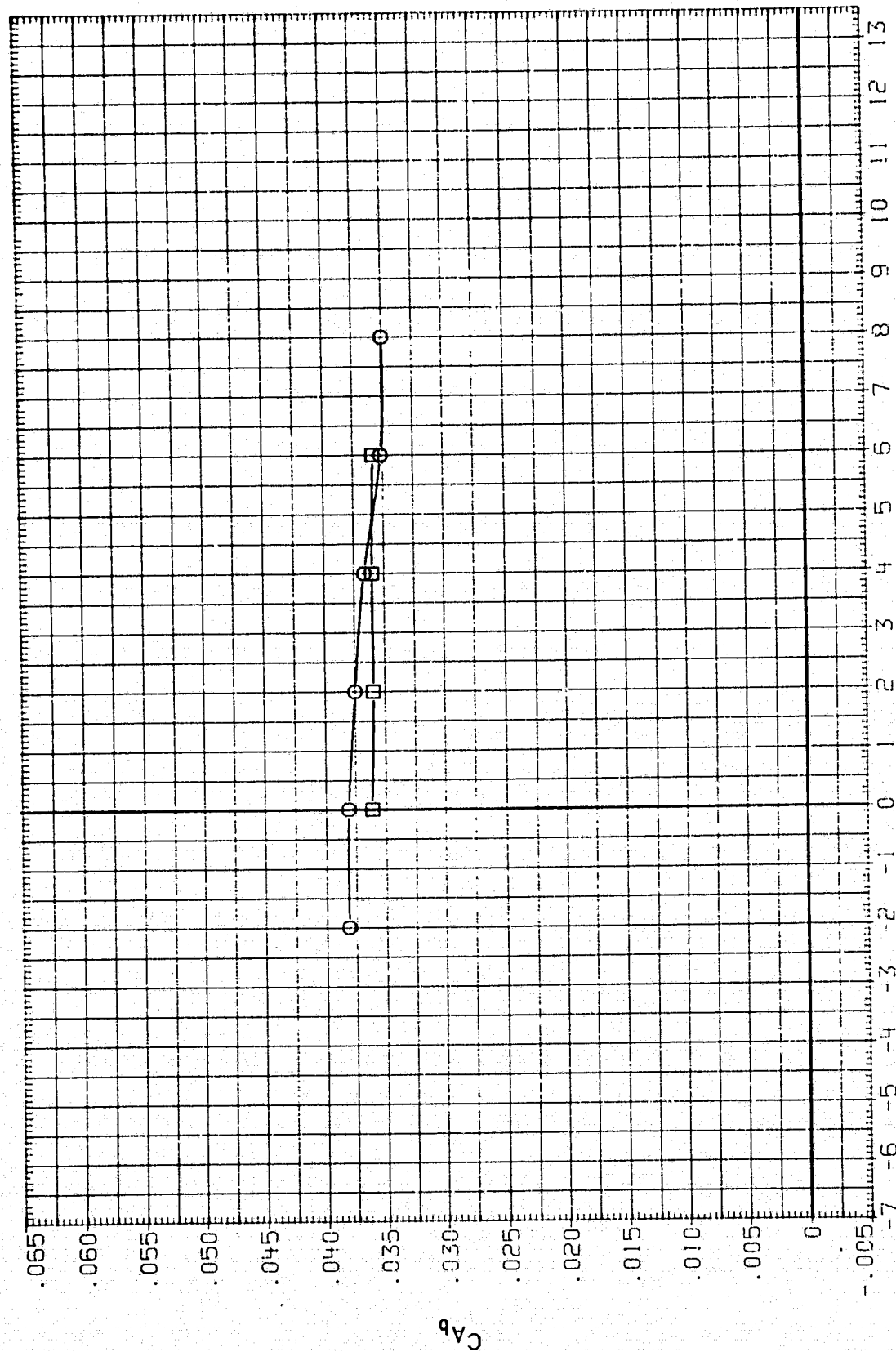


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPP01	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPP06	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

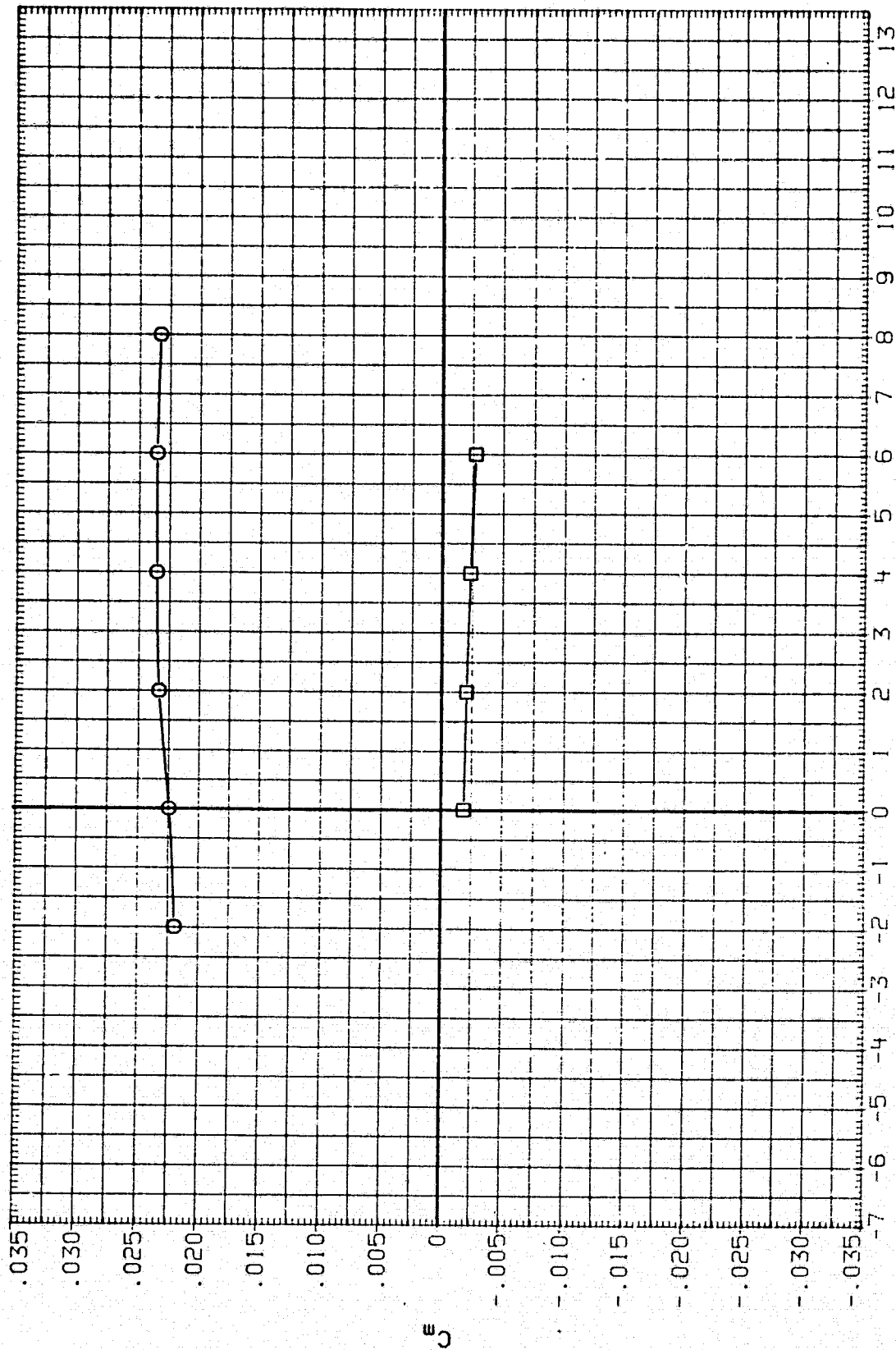


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(F)BETA = .00

DATA SET SYMBOL		CONFIGURATION		THETA	PHI-N	THE-TML	THE-TMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	0	0A153B	B68C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A153B	B68C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

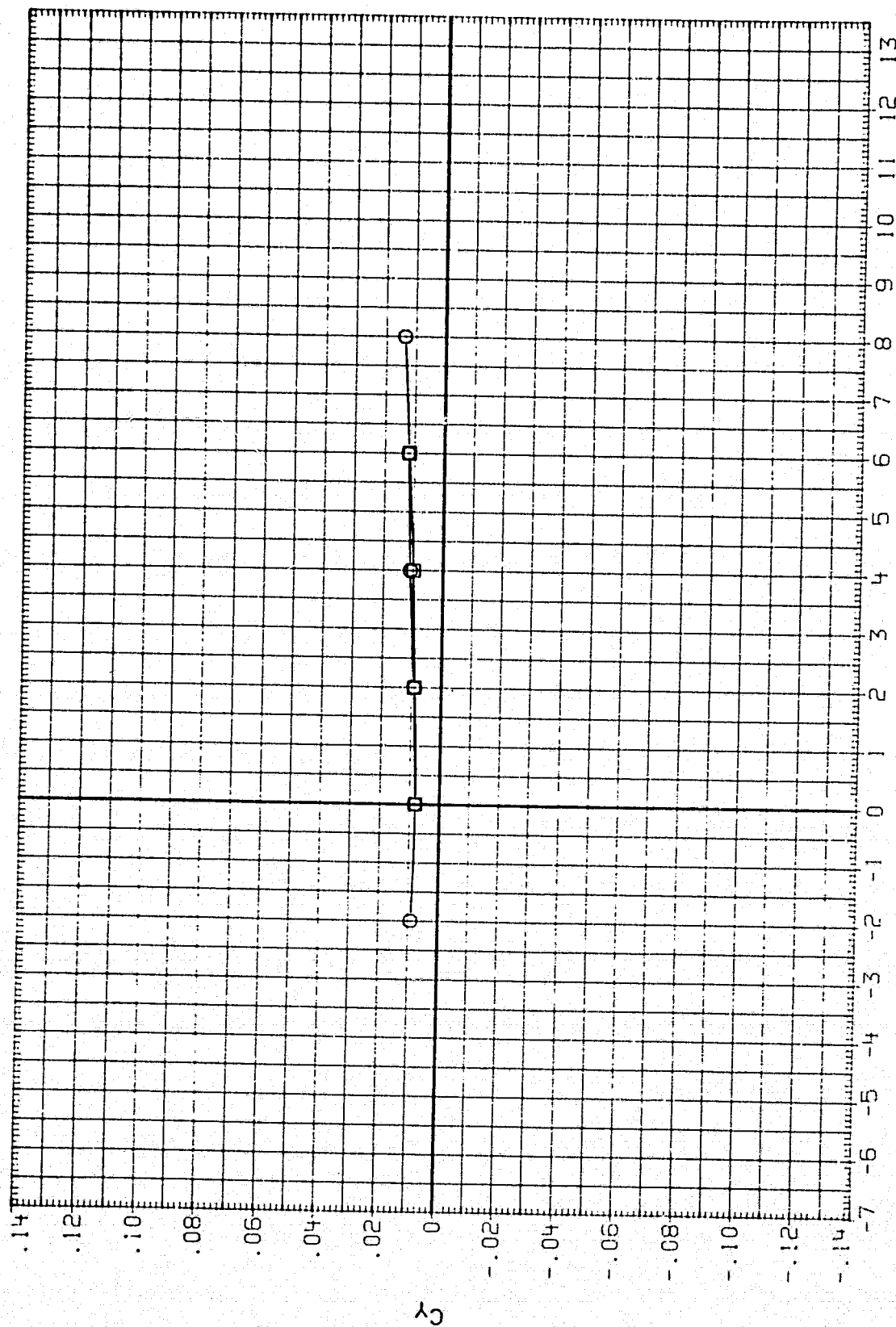


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(F) BETA = .00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

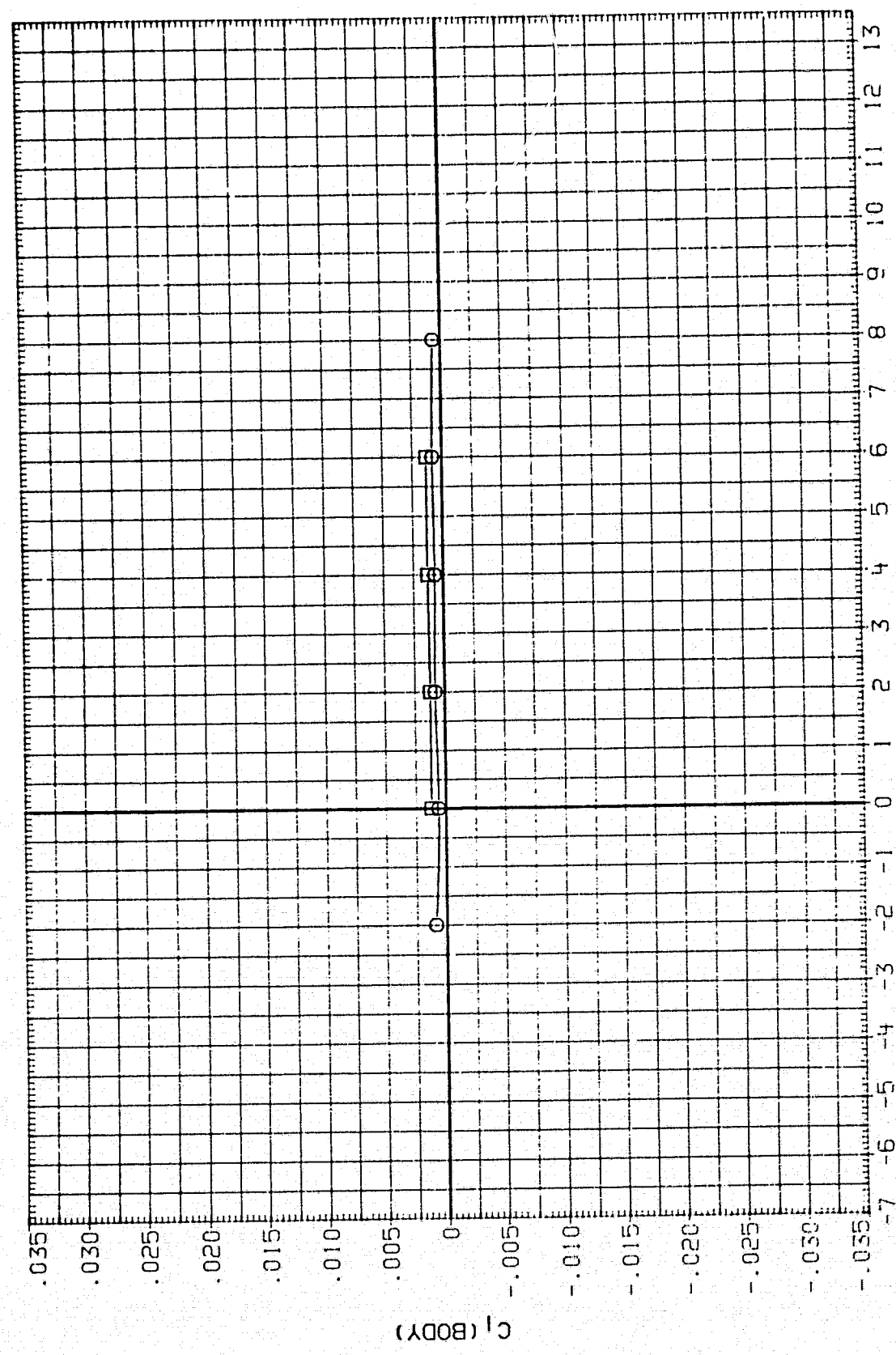


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(F)BETA = .00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A163B B68C12G20M1G428M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF06	0A163B B68C12G20M1G428M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	15.300

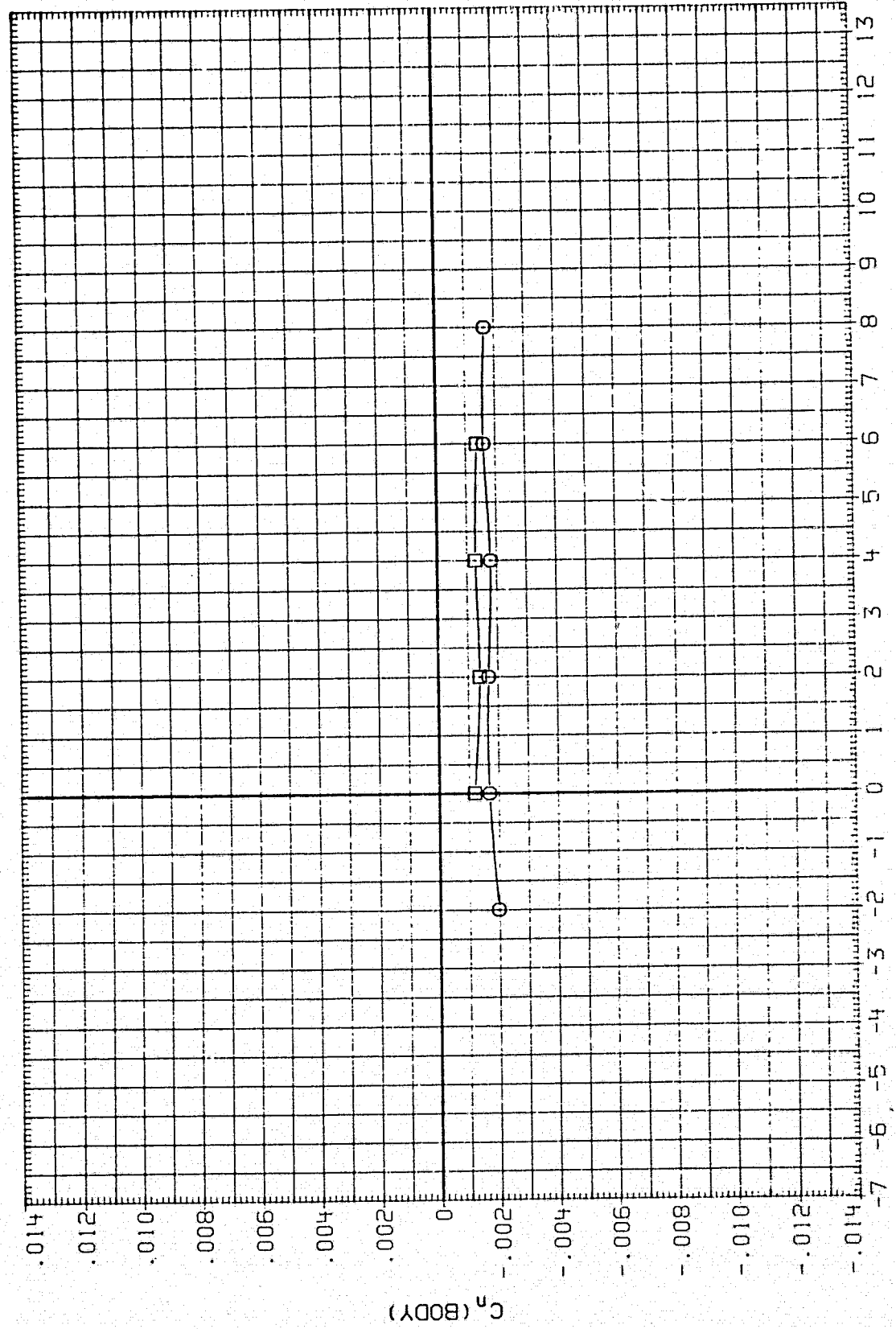


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(F)BETA = .00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
ATPF01	0A163B B68C12G20M16N28W127E5F10V8F5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
ATPF06	0A163B B68C12G20M16N28W127E5F10V8F5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

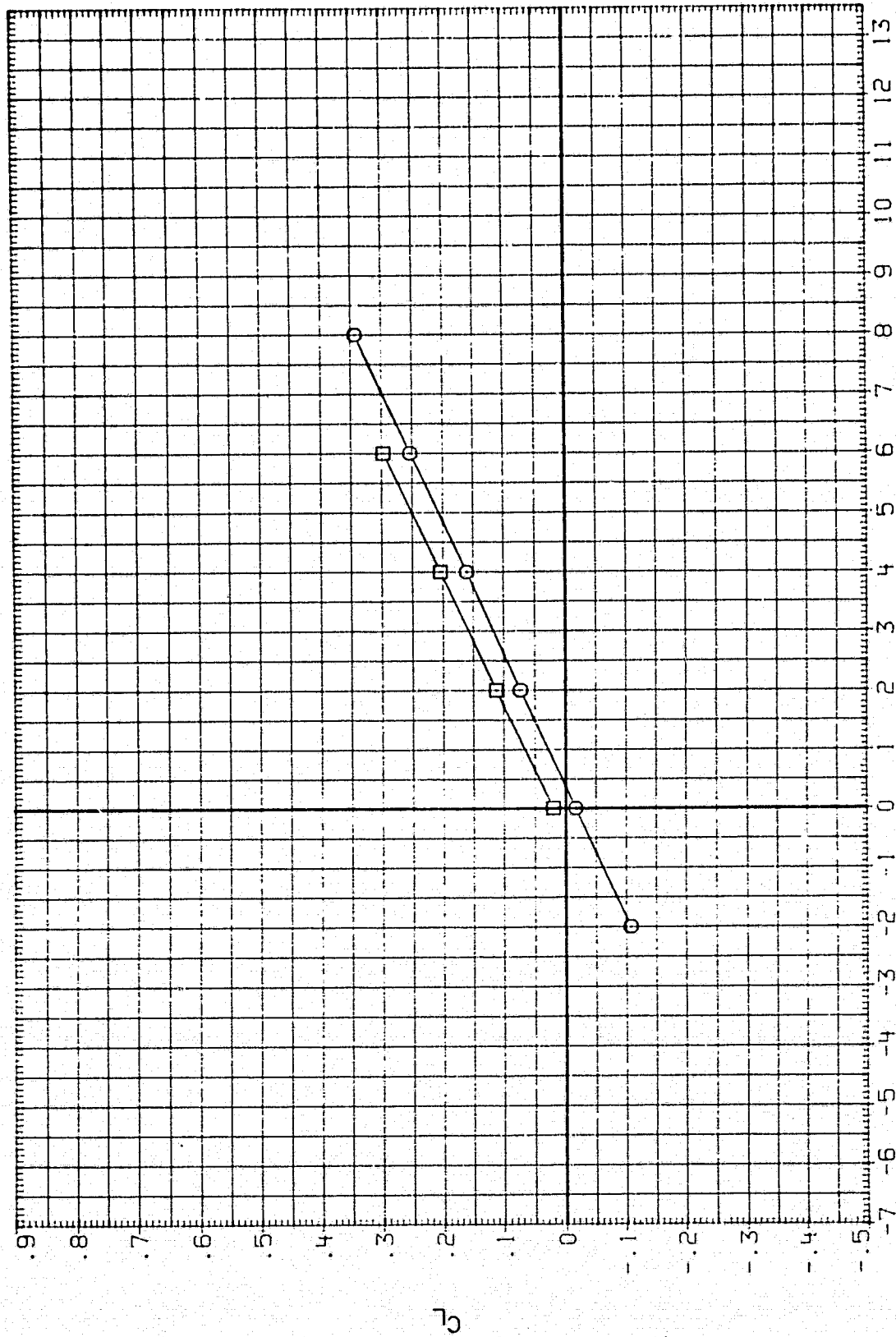


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(C) BETA = 1.00

DATA SET	SYMBOL	COEFFICIENT	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	○	0A163B B58C12G20M16128M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A163B B58C12G20M16128M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

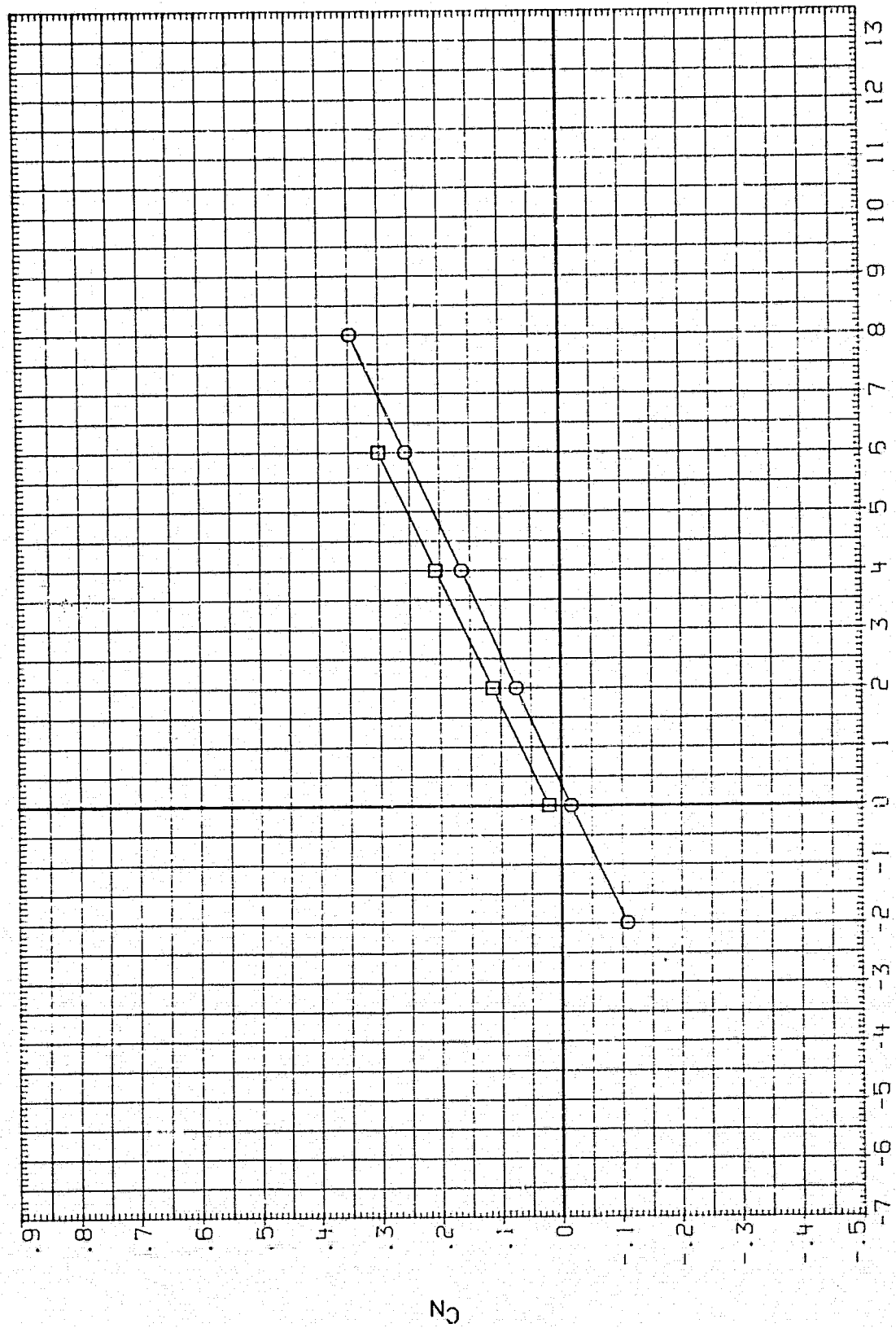


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	EOFLAP
AFPE01	□	0A163B B68C12G20M16N28M127E5F10Y8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPE06	○	0A163B B68C12G20M16N28M127E5F10Y8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

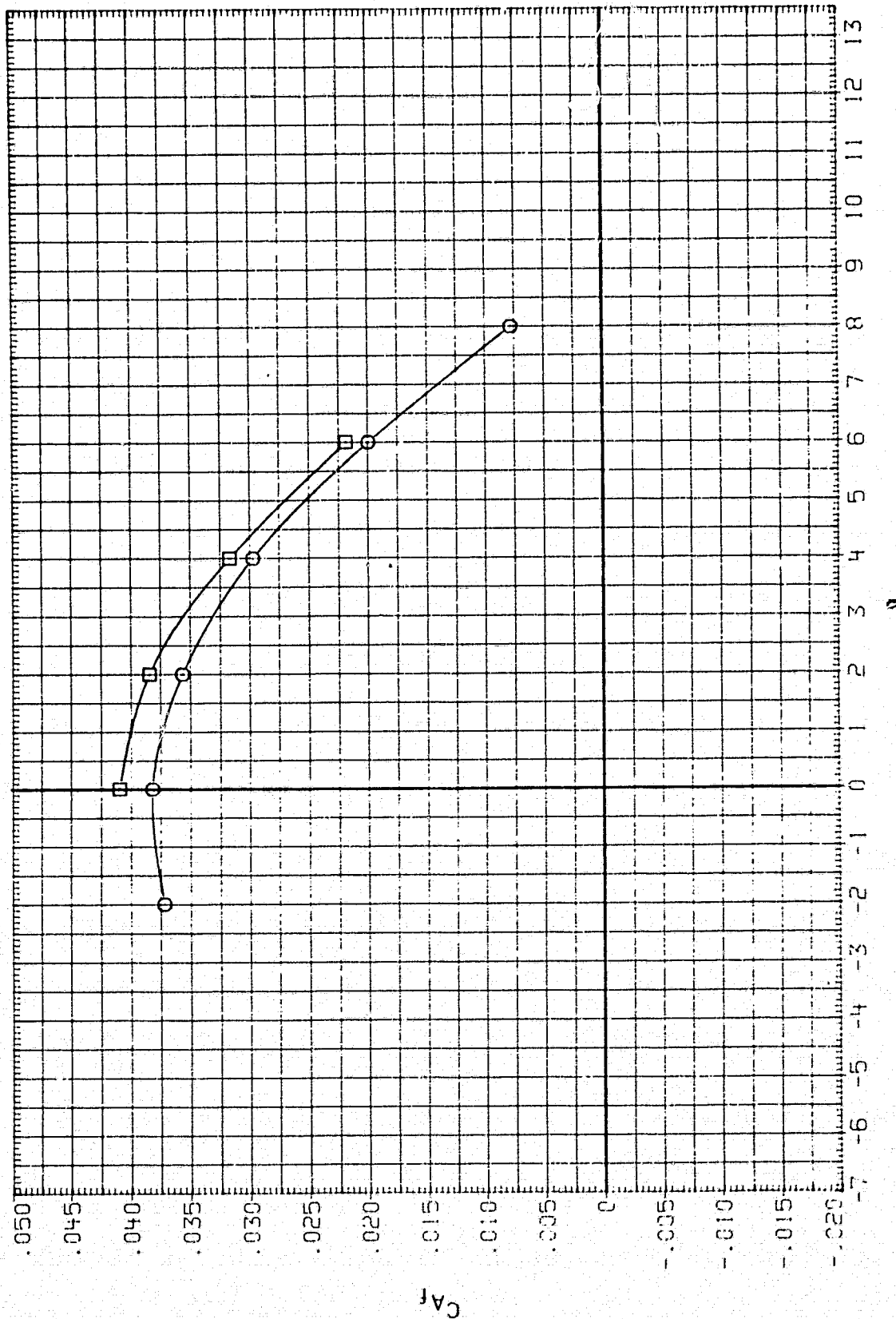


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

GIBETA = 1.00

DATA SET SYMBOL		CONFIGURATION		THETAN		PHI-N		THETML		THETMR		PHI-ML		PHI-MR		ELV-L		BDFLAP	
AFPF01	OA1638	B68C12020M16N28M127E5F	10V8R5X911	5.000	30.800	5.000	32.200	5.000	32.200	5.000	32.200	5.000	32.200	5.000	32.200	5.000	32.200	5.000	16.300
AFPF05	OA1638	B68C12020M16N28M127E5F	10V8R5X911	5.000	30.800	5.000	32.200	5.000	32.200	5.000	32.200	5.000	32.200	5.000	32.200	5.000	32.200	5.000	16.300

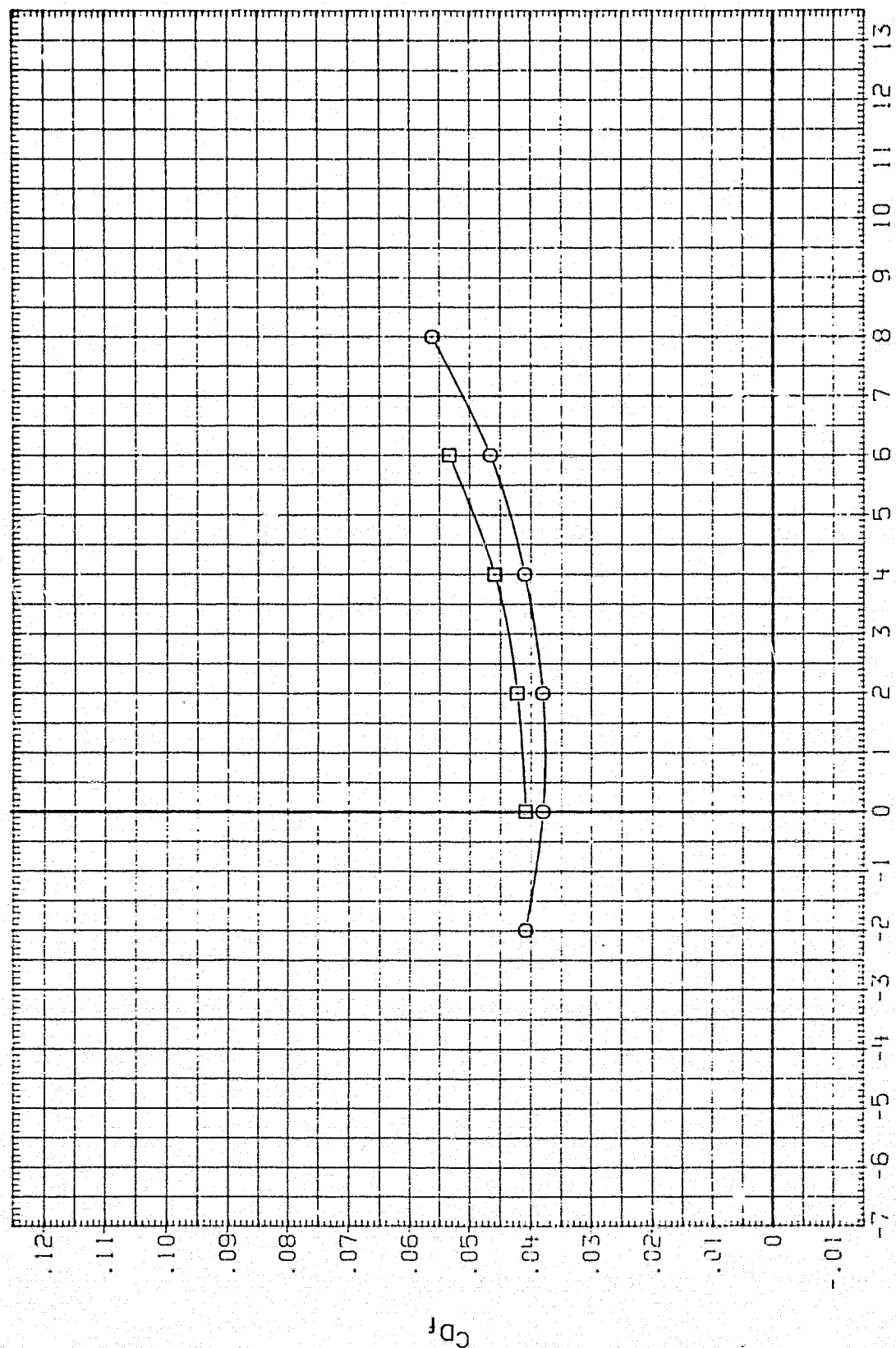


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL
ATPF01
ATPF06

CONFIGURATION

0A1638 B58C12G20M16N28H127E5F10V8P5X911
0A1638 B58C12G20M16N28H127E5F10V8P5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

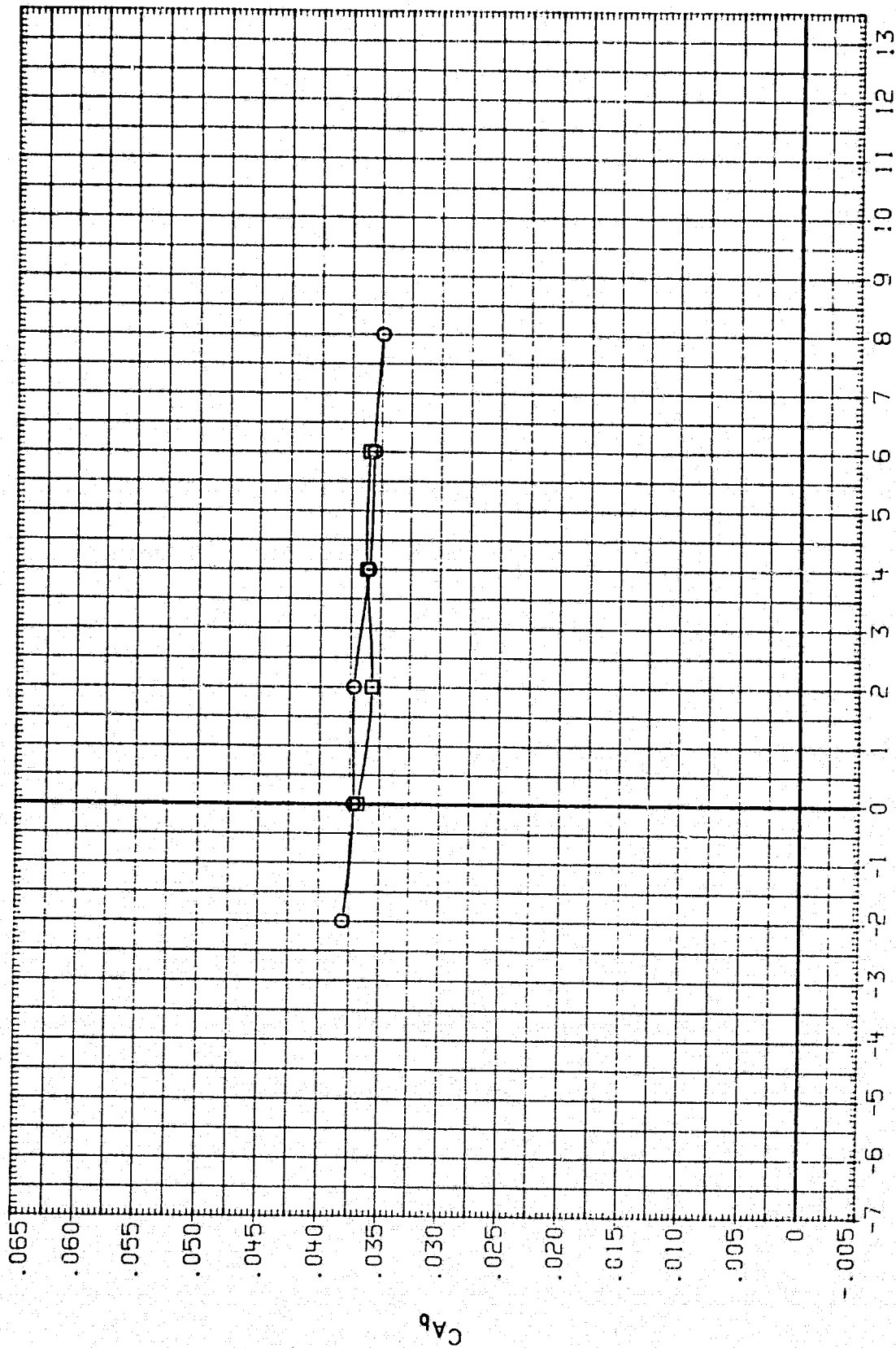


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(G)BETA = 1.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	○	0A163B	B68C12G20M16N28W127E5F	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A163B	B68C12G20M16N28W127E5F	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

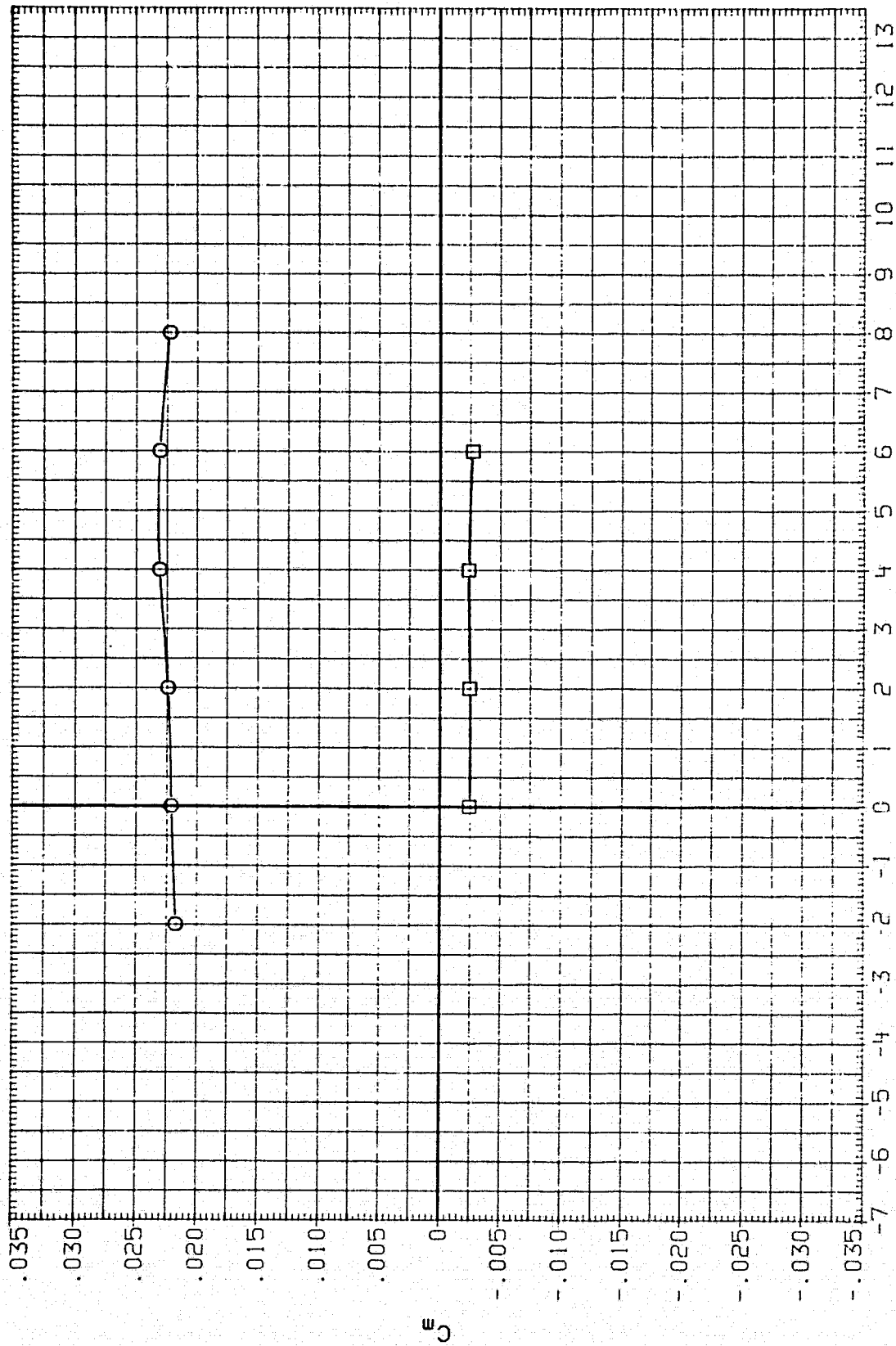


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	0A163B B68C12020M16N2B4127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	0A163B B68C12020M16N2B4127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

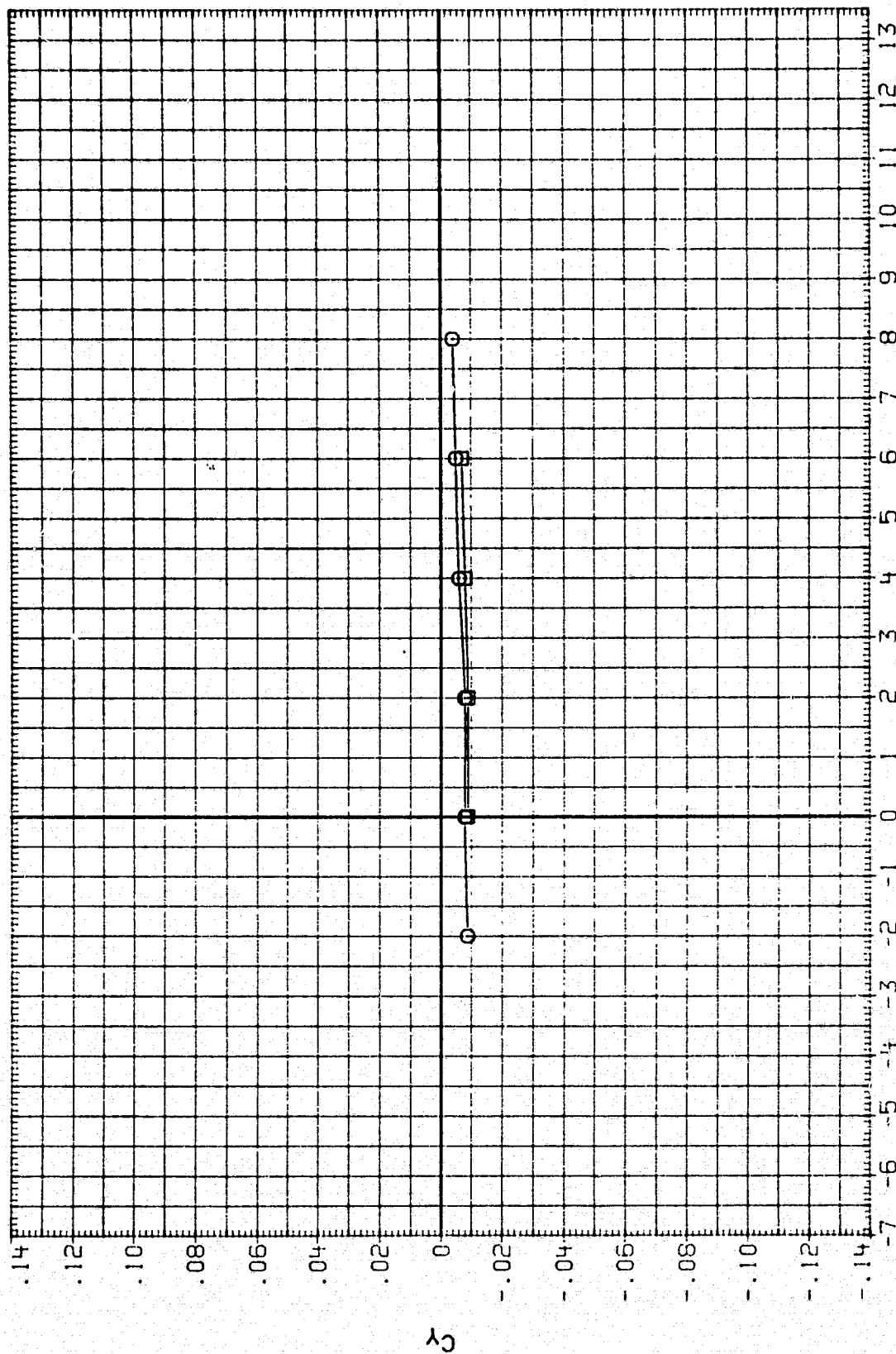


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(G) BETA = 1.00

DATA SET SYMBOL
 AFF01 ☐ 0A163B B68C12620M16N28W127E5F10V8R5X911
 AFF06 ☐ 0A163B B68C12620M16N28W127E5F10V8R5X911

CONFIGURATION

THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

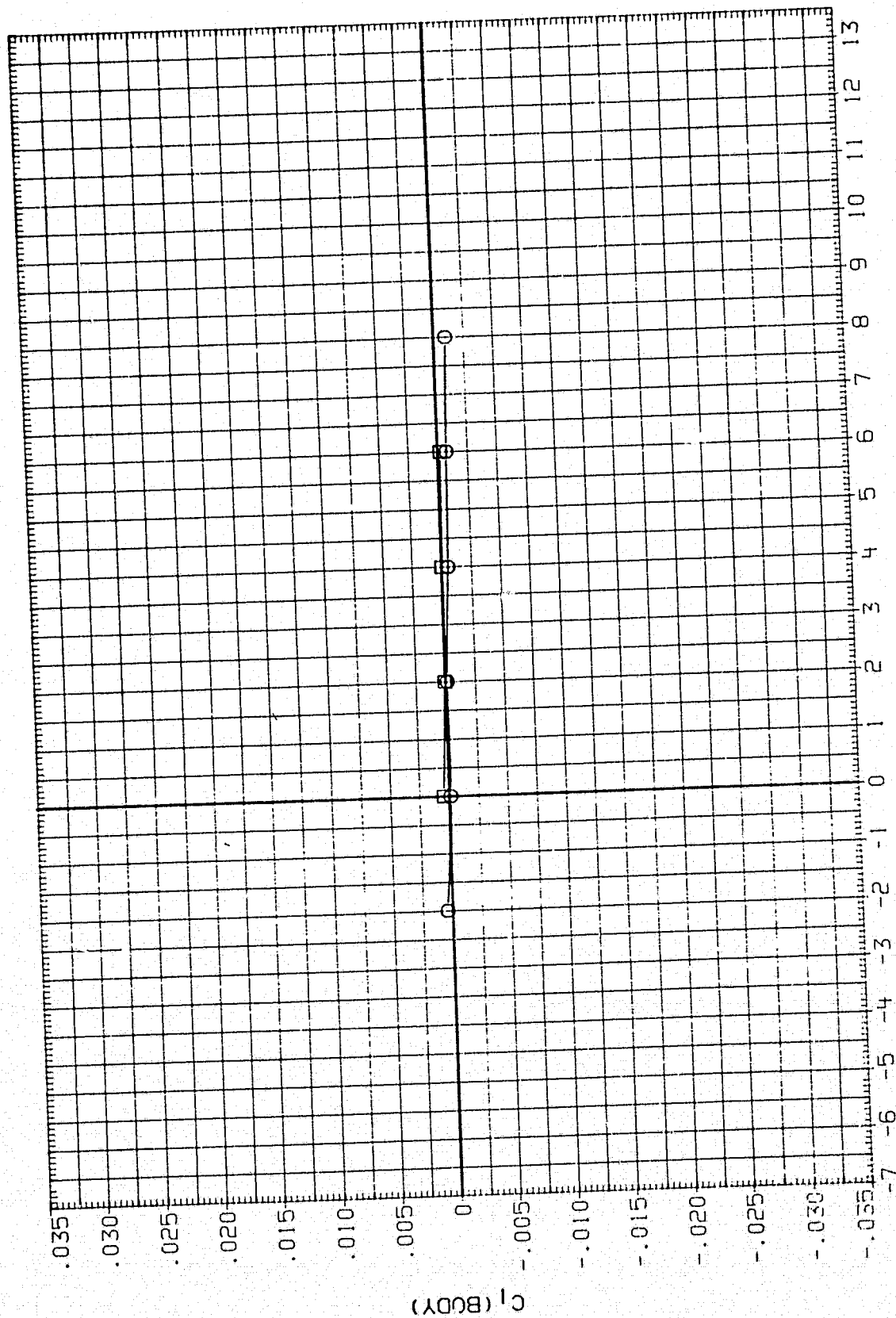


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(G)BETA = 1.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THEIML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	□	QA163B	B68C12G20M16N28W127E5F 10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	QA163B	B68C12G20M16N28W127E5F 10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

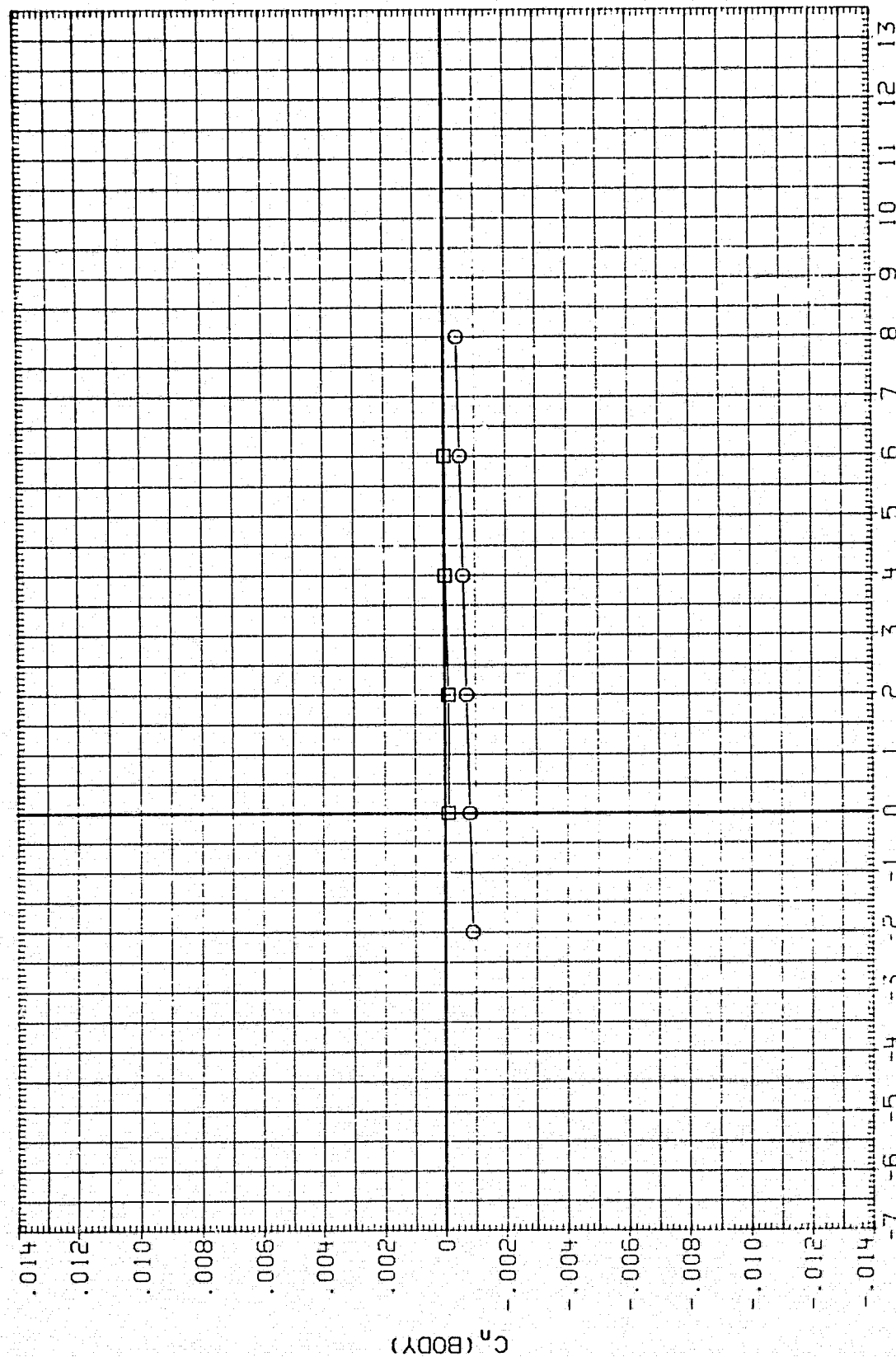


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(G)BETA = 1.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THEIMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	□	OA163B	B6BC12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	CA163B	B6BC12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

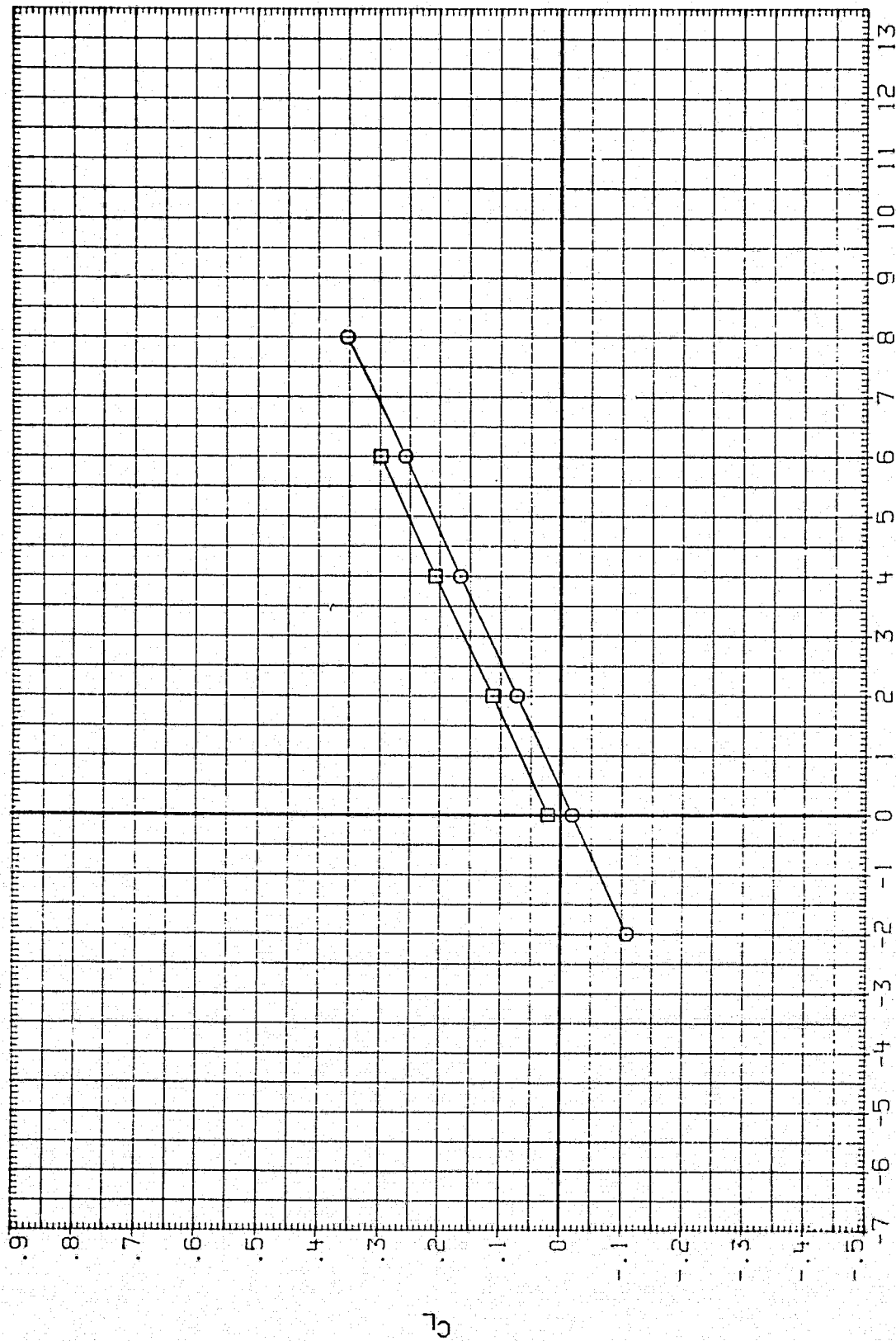


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	0A163B 868C12G2CM16N28M127E5F10V8P5X911	5.000	30.800	5.000	32.200	32.200	.000	.000
ATPF06	0A163B 868C12G2CM16N26M127E5F10V8P5X911	5.000	30.800	5.000	32.200	32.200	.000	16.300

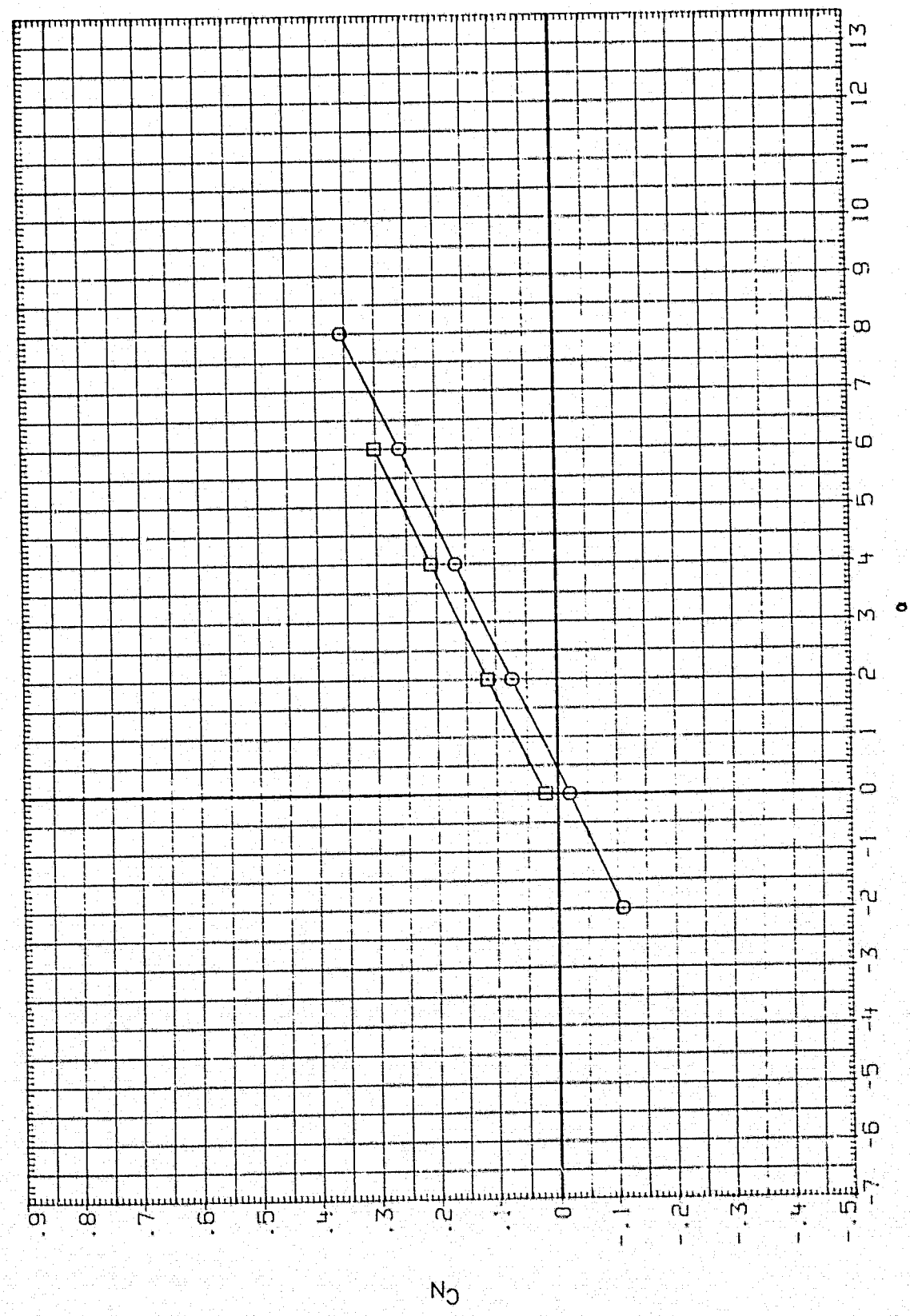


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(H)BETA = 2.00

DATA SET SYMBOL	COIF 10URATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
APPF01	0A163B B68C12G20M16128M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APPF06	0A163B B68C12G20M16128M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

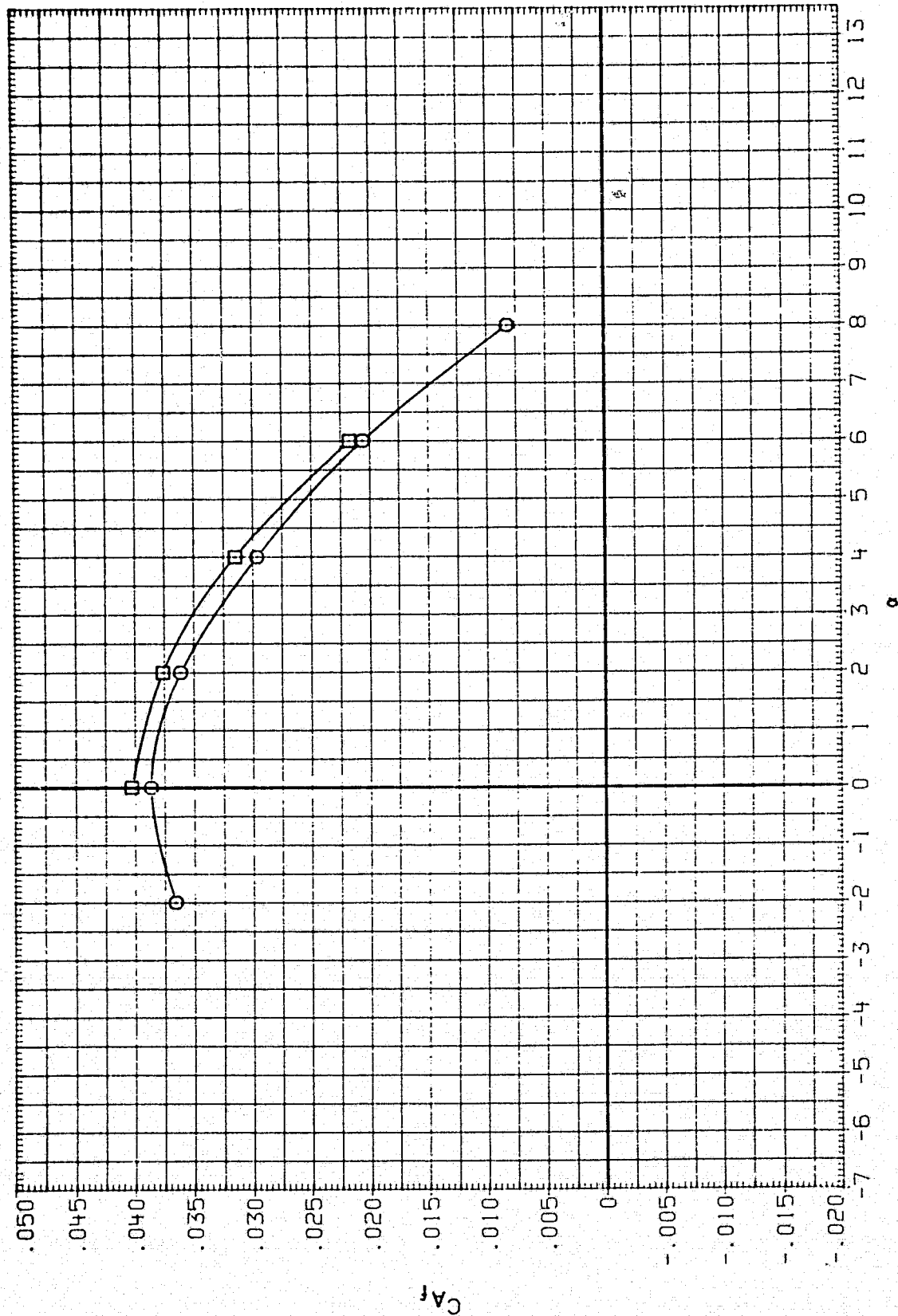


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPP01	0A163B B68C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPP06	0A163B B68C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

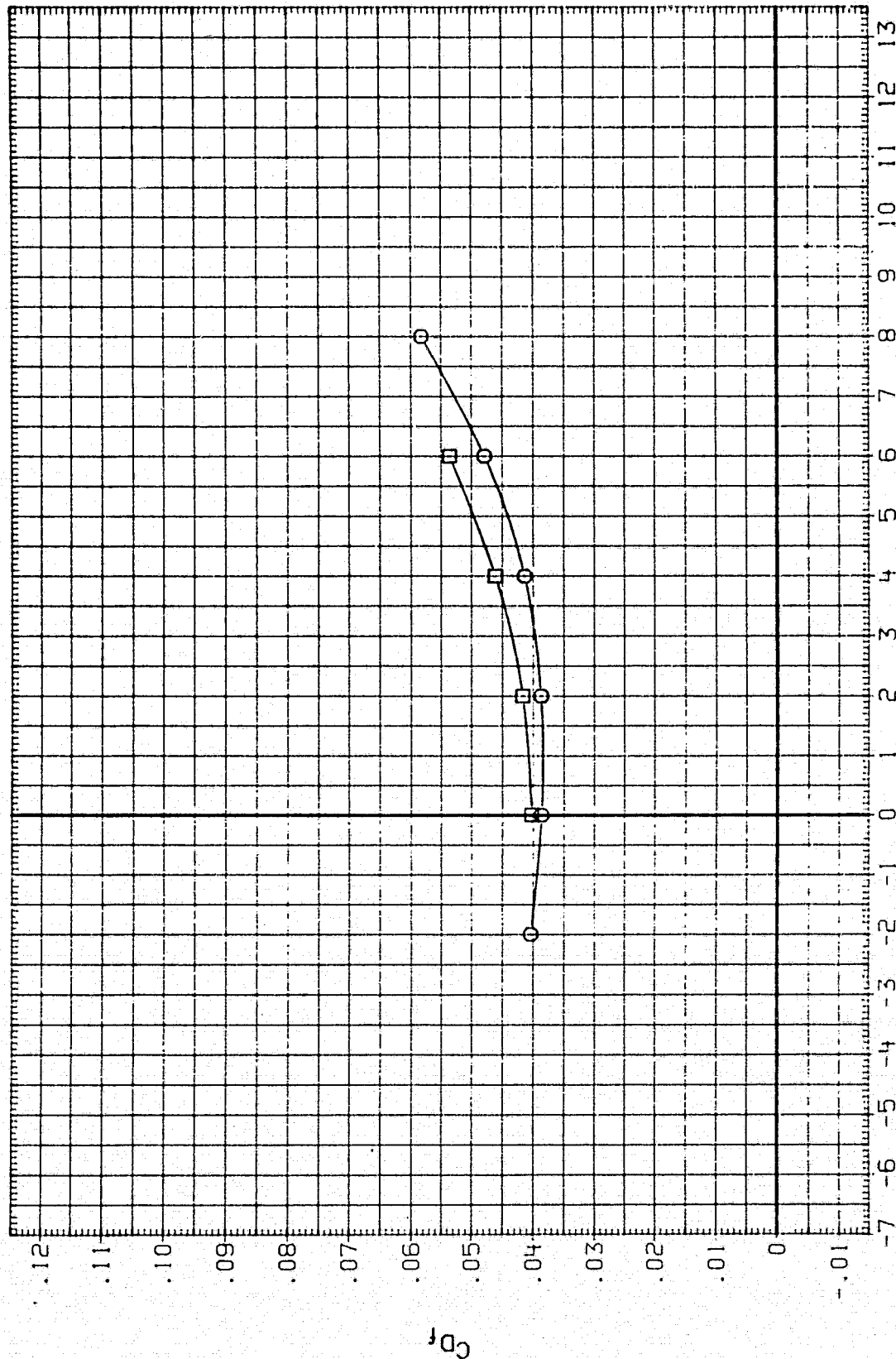


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(H) BETA = 2.00

DATA SET SYMBOL		CONFIGURATION		THE TAN	PHI - N	THE TML	THETMR	PHI - ML	PHI - MR	ELV - L	BDFLAP
AFPF01	□	0A163B	B68C12G20M16N28W127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A163B	B68C12G20M16N28W127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

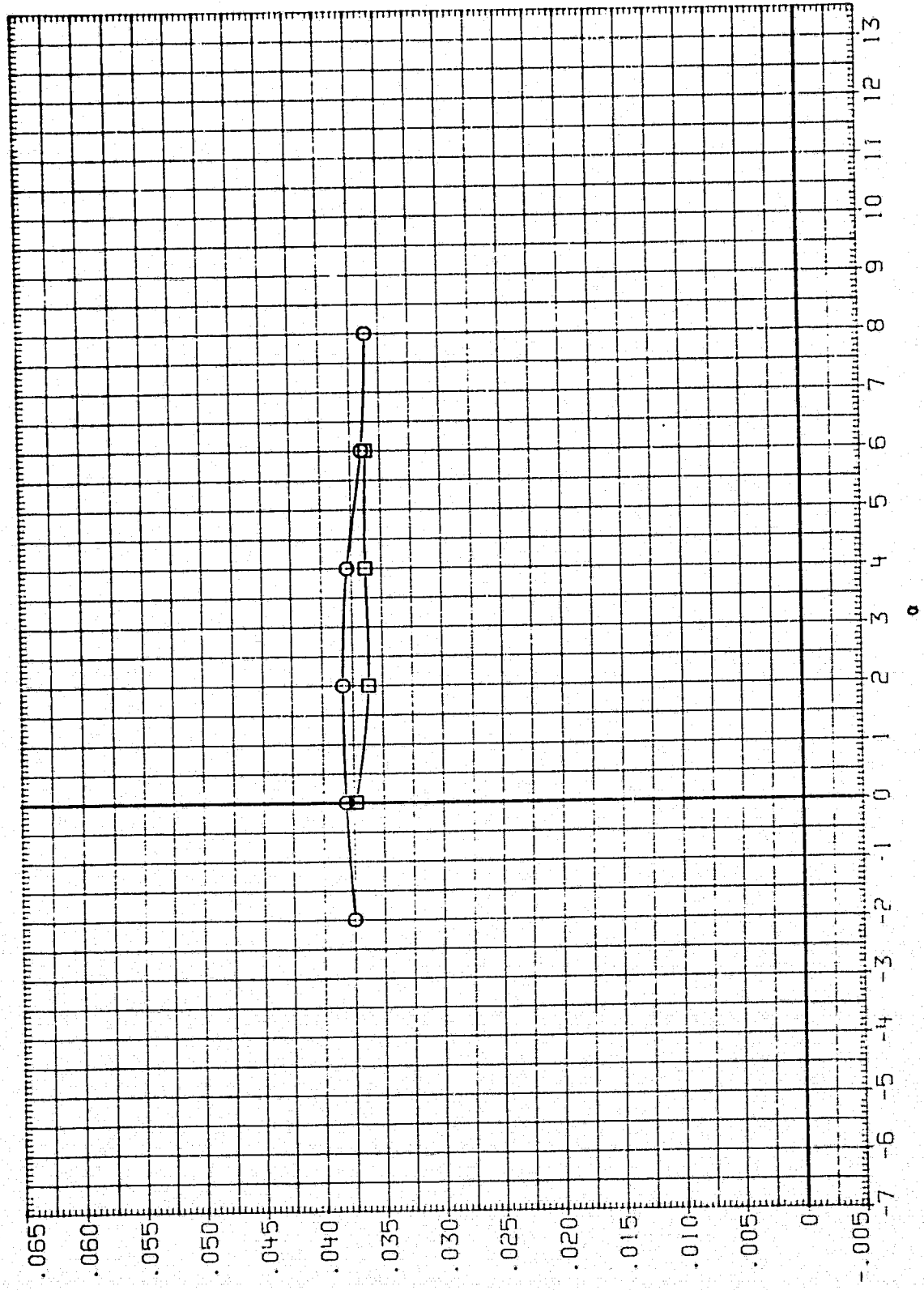


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(H)BETA = 2.00

DATA SET SYMBOL		CONFIGURATION		THETA	PHI-N	THETA	THETA	THETA	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	□	0A163B	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A163B	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	5.000	32.200	32.200	.000	16.300

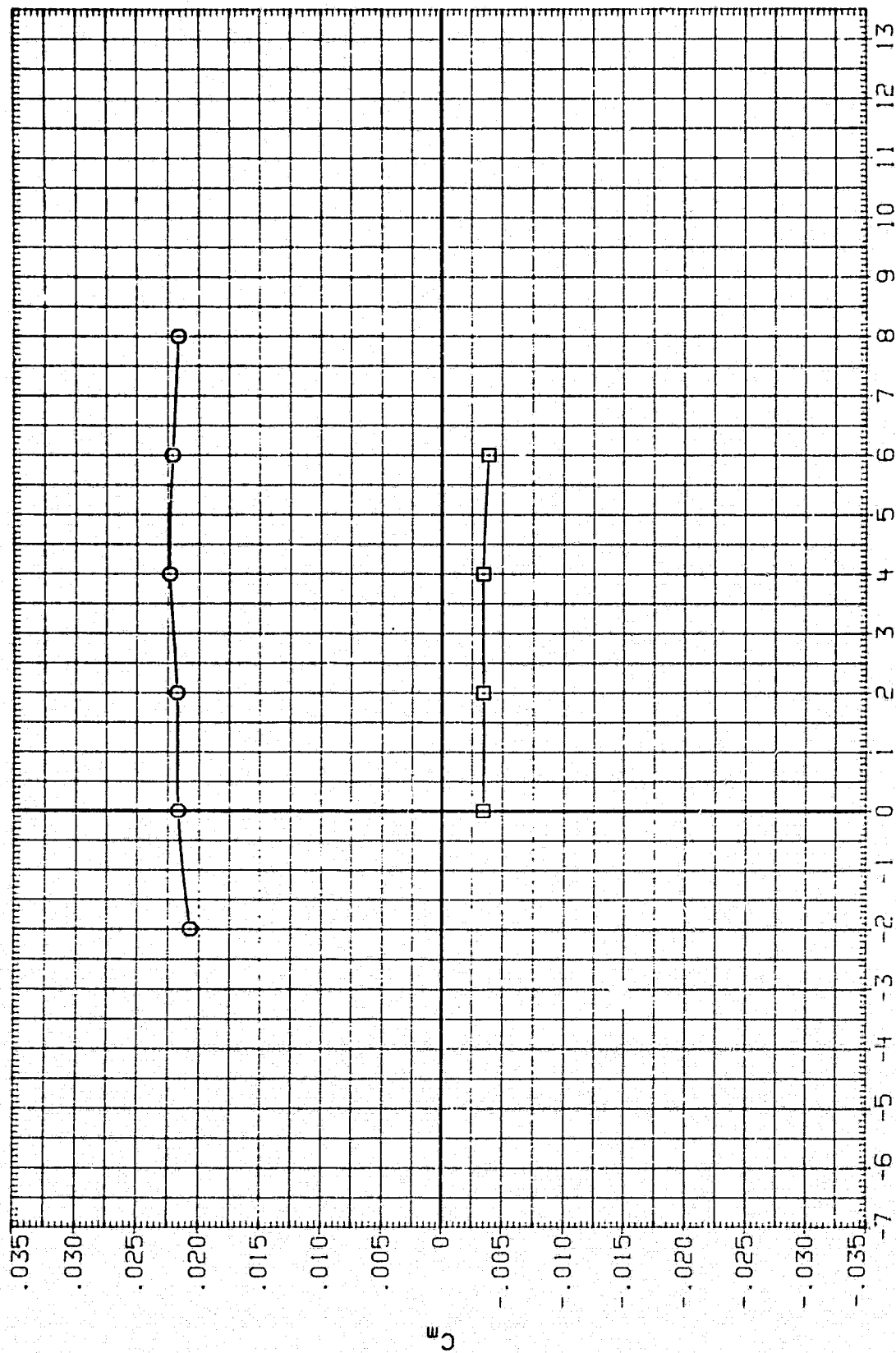


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(H)BETA = 2.00

DATA SET SYMBOL		CONF IGURATION		THE TAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV -L	BD FLAP
AFPF01	0	0A1638	B68C12020M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A1638	B68C12020M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

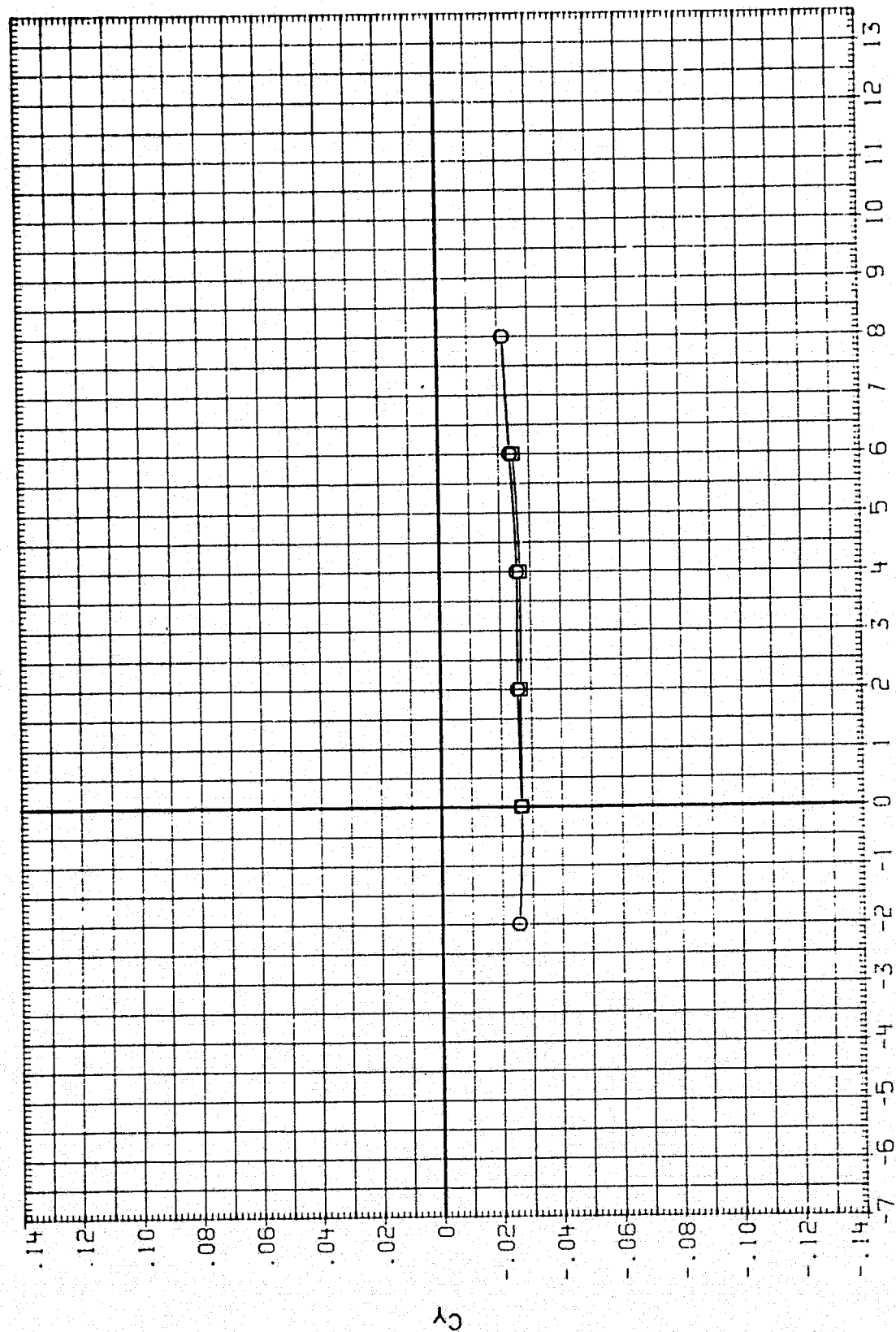


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(H)BETA = 2.00

BDCLAP
16.300

ELV-L
.000

PHI-MR
32.200

PHI-ML
32.200

THETMR
5.000

THETML
5.000

PHI-N
30.800

THETAN
5.000

DATA SET SYMBOL
AFFF01
AFFF06

CONFIGURATION

0A1638 B58C12020M16N28W127E5F 10V8R5X911
0A1638 B58C12020M16N28W127E5F 10V8R5X911

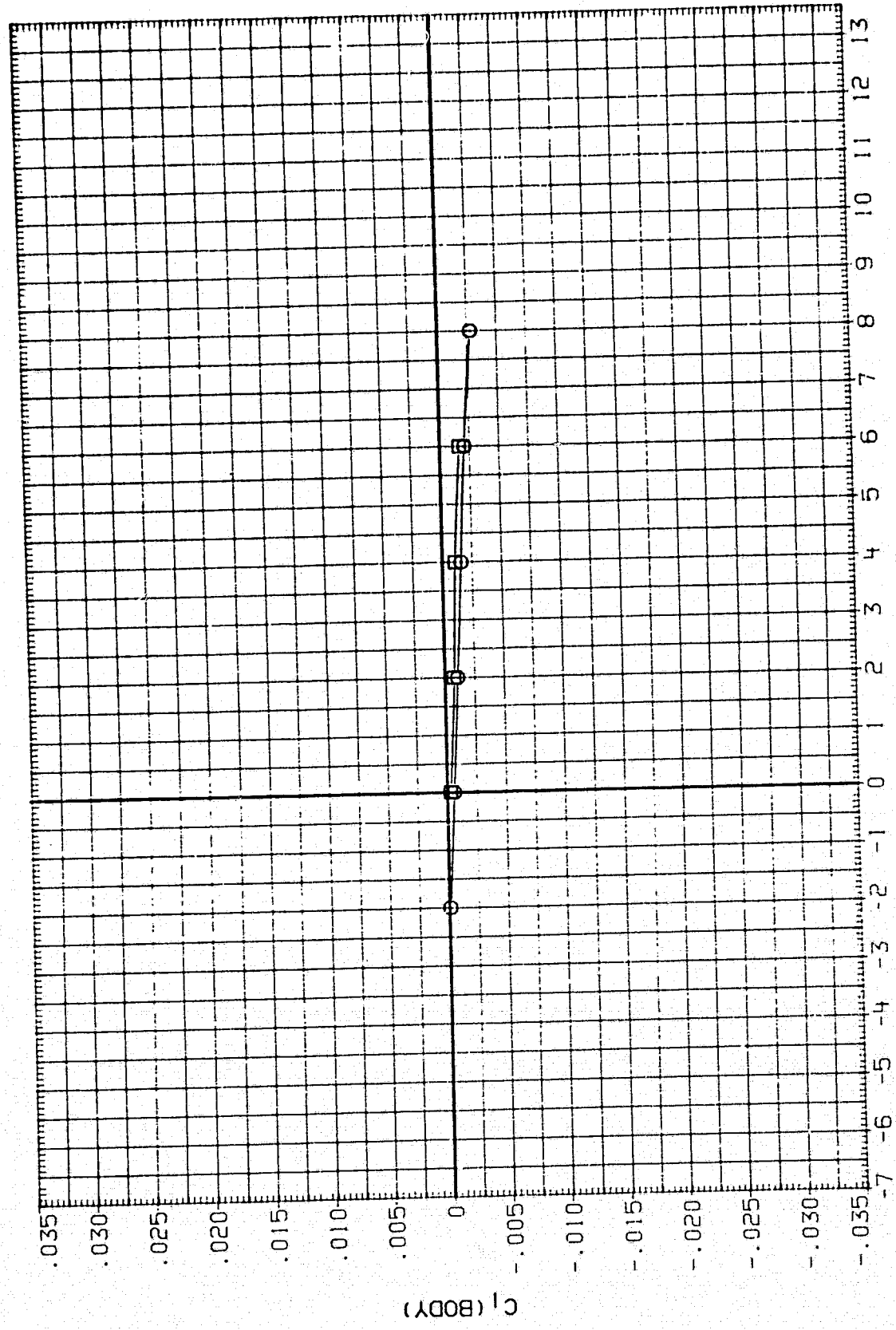


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(H)BETA = 2.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	○	0A1639	B68C12G20M16N28W127L5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A1639	B68C12G20M16N28W127L5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

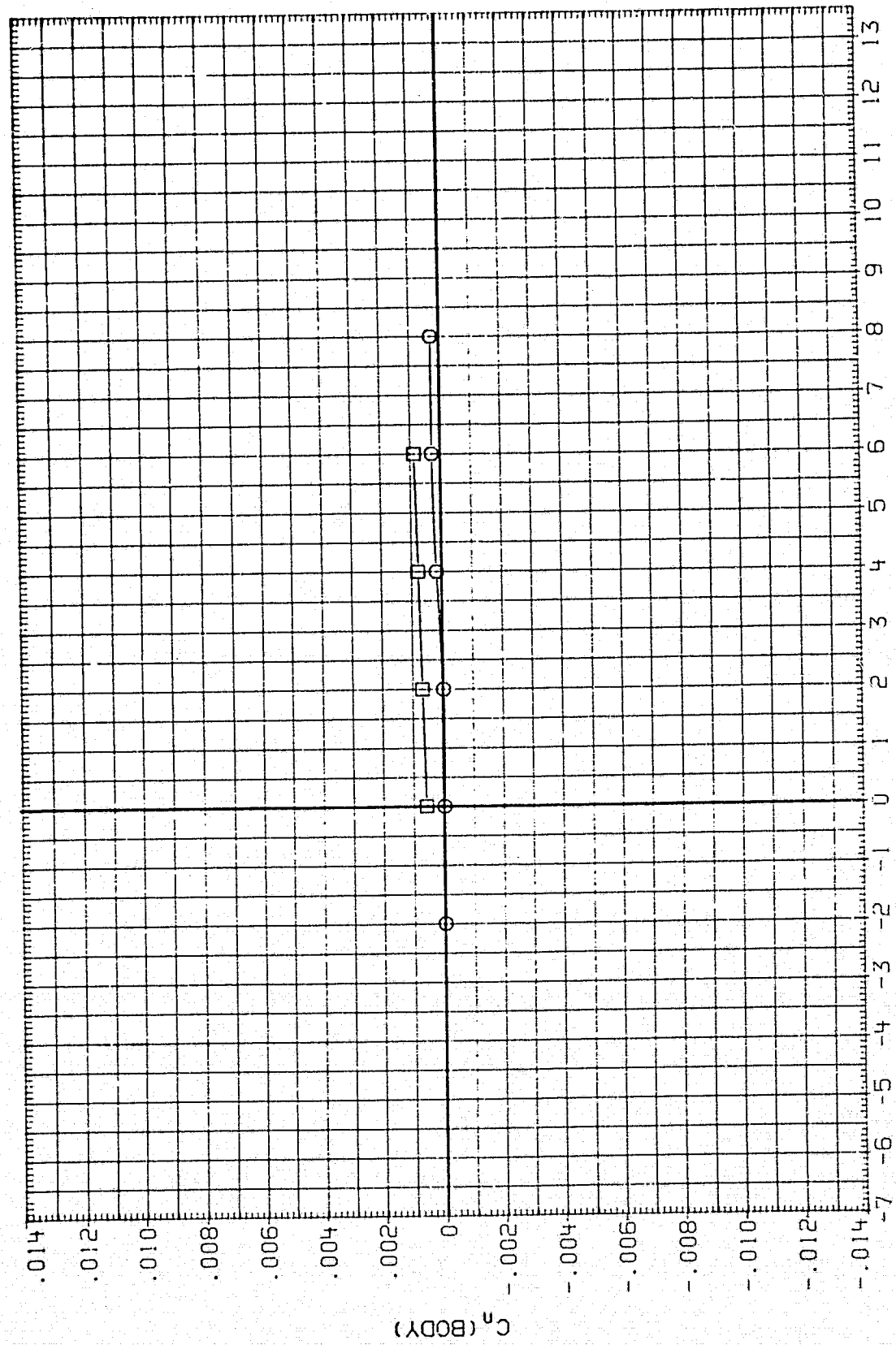


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(H)BETA = 2.00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV -L	BOFLAP
AFPF01	0A163B B68C12020M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF05	0A163B B68C12020M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

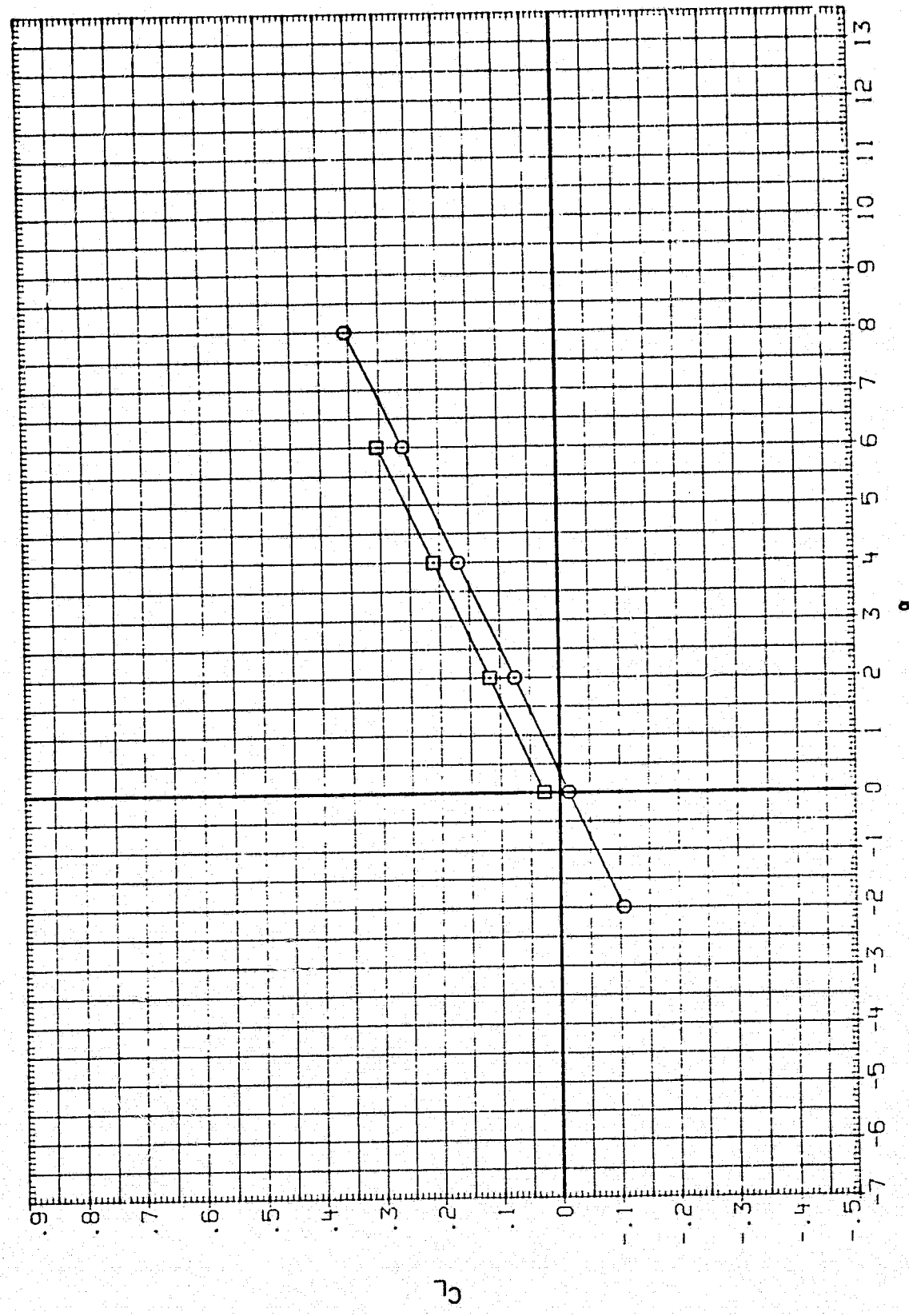


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

BOFLAP
16.300

ELV-L
.000

PHI-MR
32.200

PHI-ML
32.200

THETMR
5.000

THETML
5.000

PHI-N
30.800

THETAN
5.000

CONFIGURATION
0A163B B68C12620M16N28M127E5F 10V8R5X911
0A163B B68C12620M16N28M127E5F 10V8R5X911

DATA SET SYMBOL
AFPF01
AFPF06

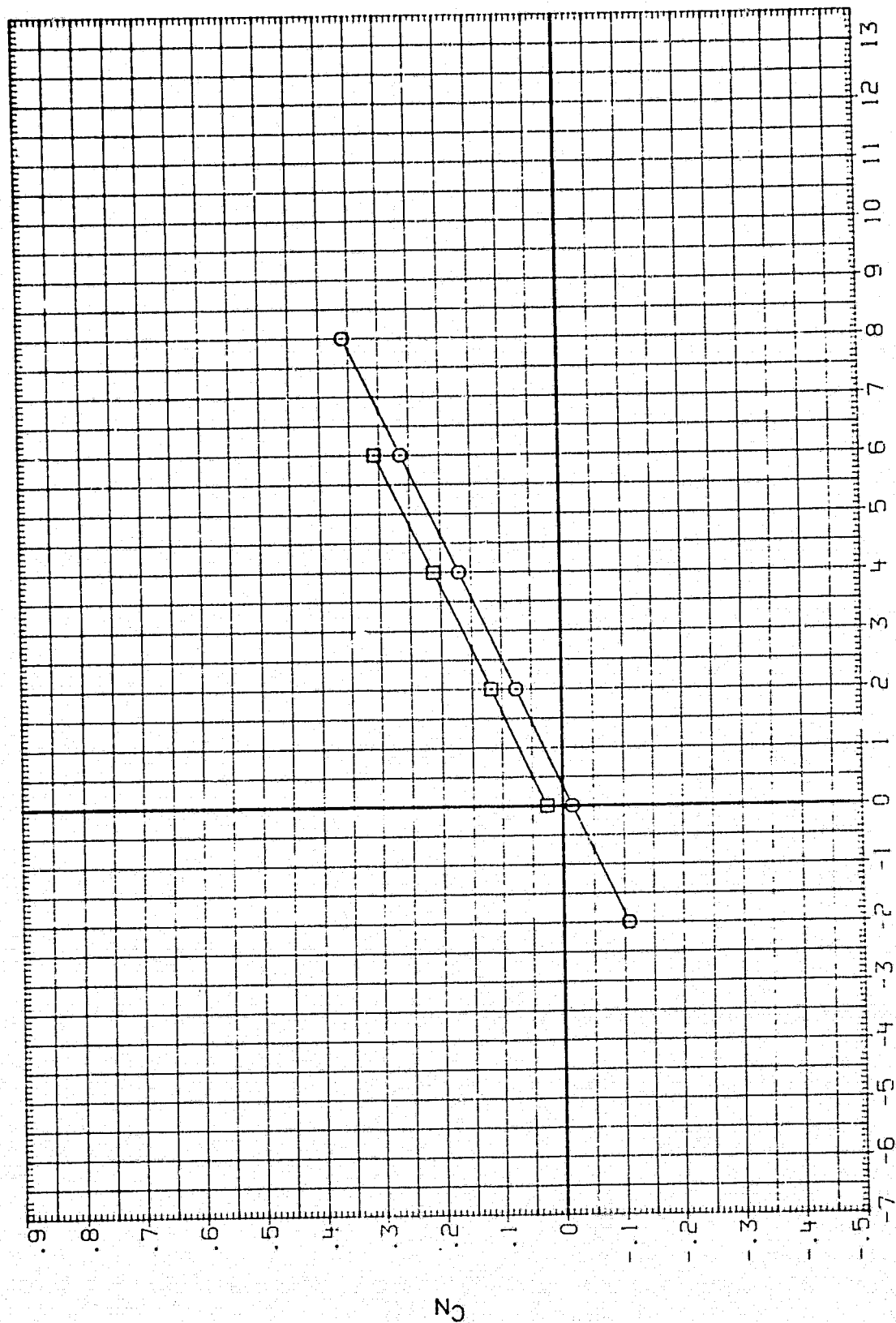


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL	CONFIGURATION	THETA	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0A163B B68C12020M16128M127E5F10VRP5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	0A163B B68C12020M16128M127E5F10VRP5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

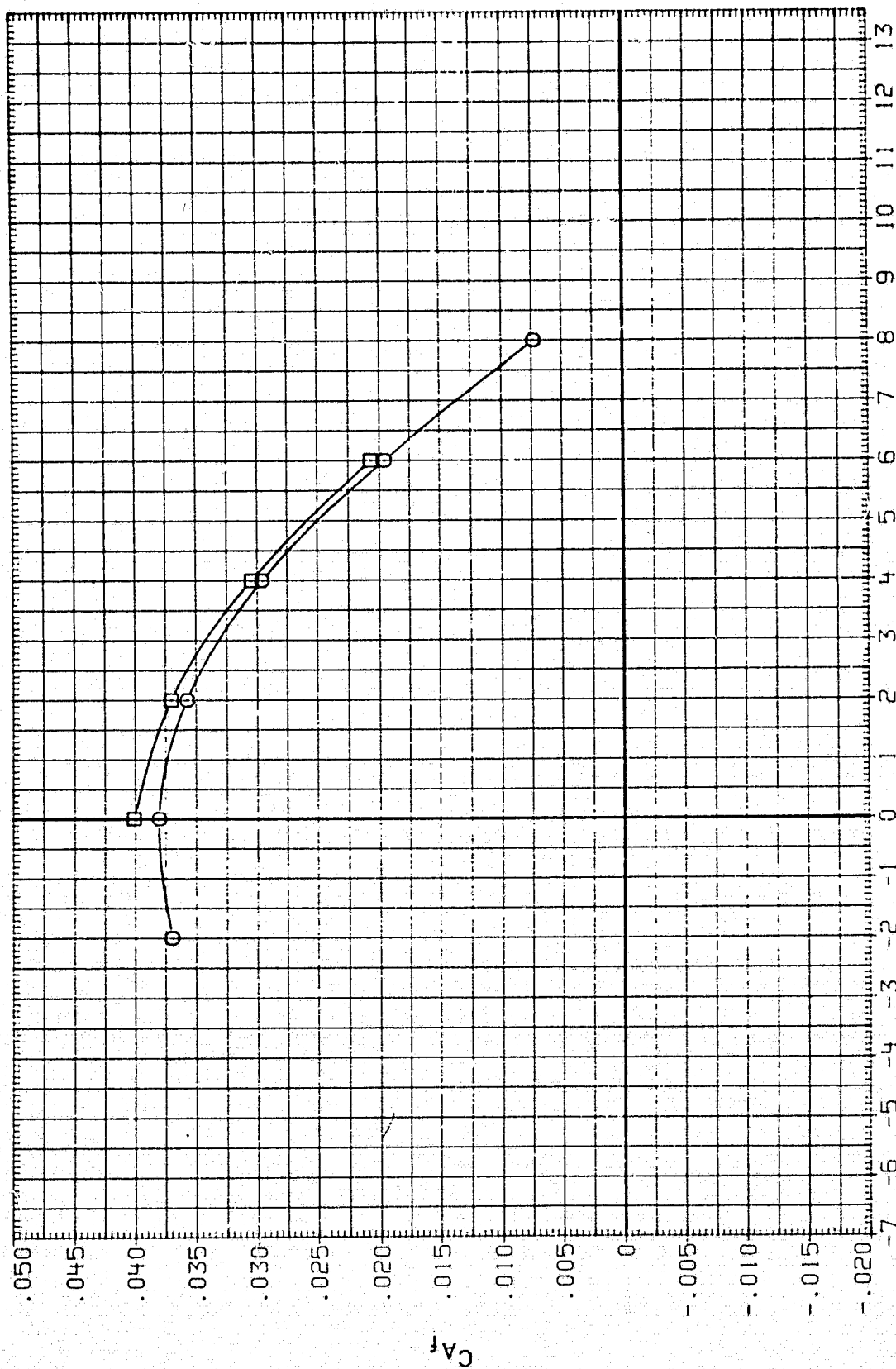


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL		CONFIGURATION		THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BDF LAP
APPF01	○	0A163B	B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APPF06	□	0A163B	B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

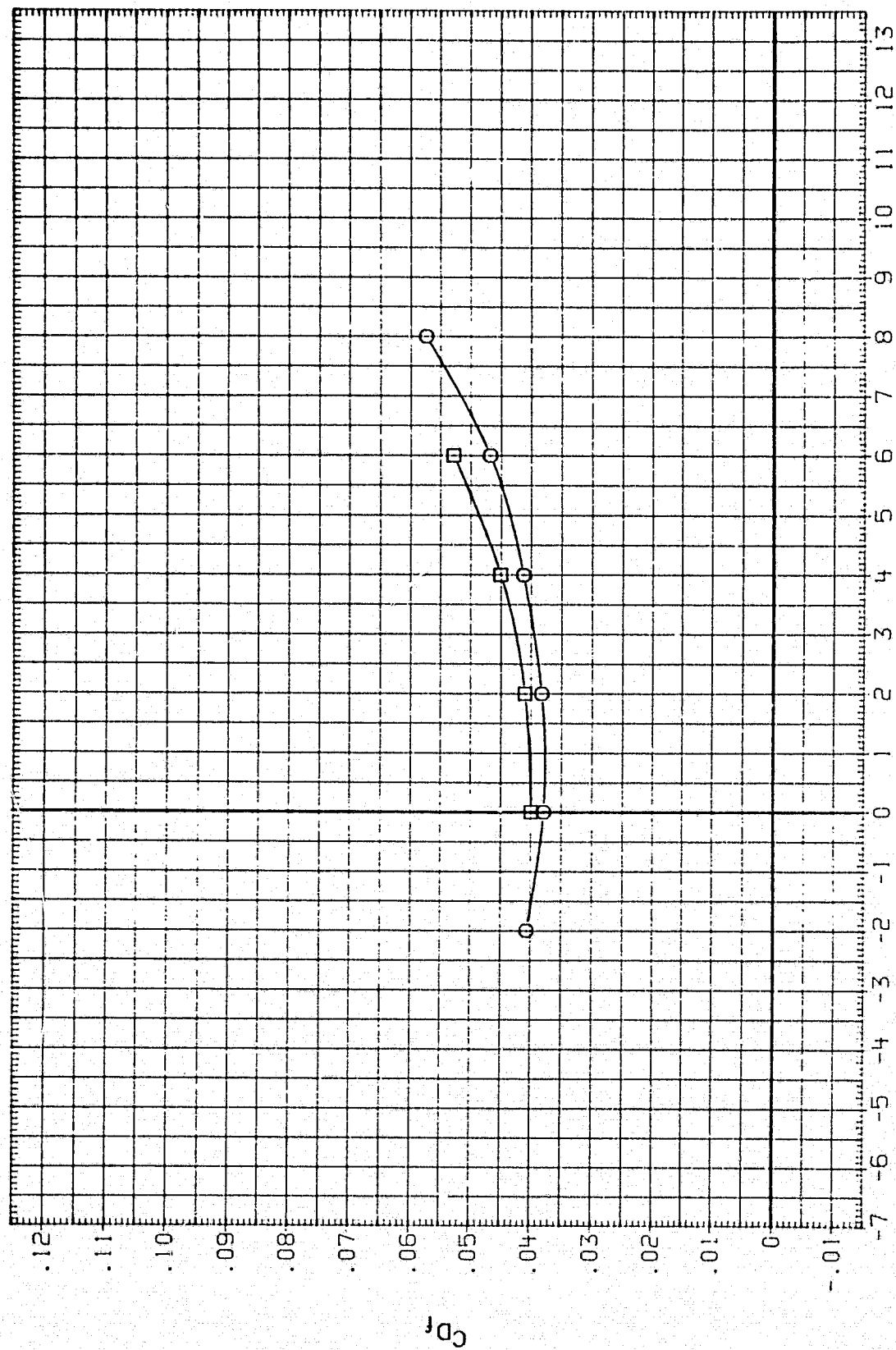


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	0A1638 B68C12G20M16N28M127L5F10VB85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	0A1638 B68C12G20M16N28M127L5F10VB85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

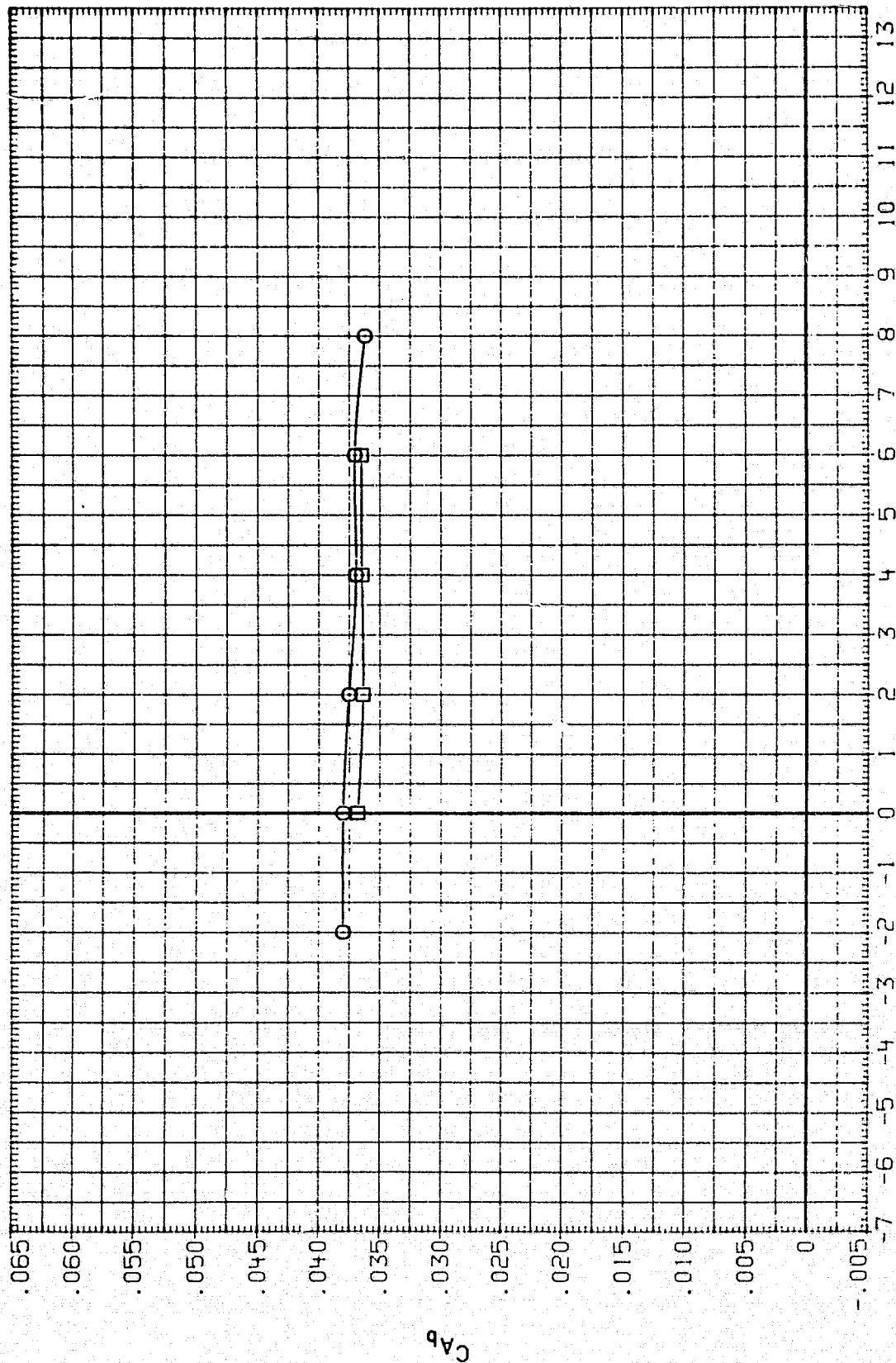


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPF01	□	0A1638	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPF06	□	0A1638	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

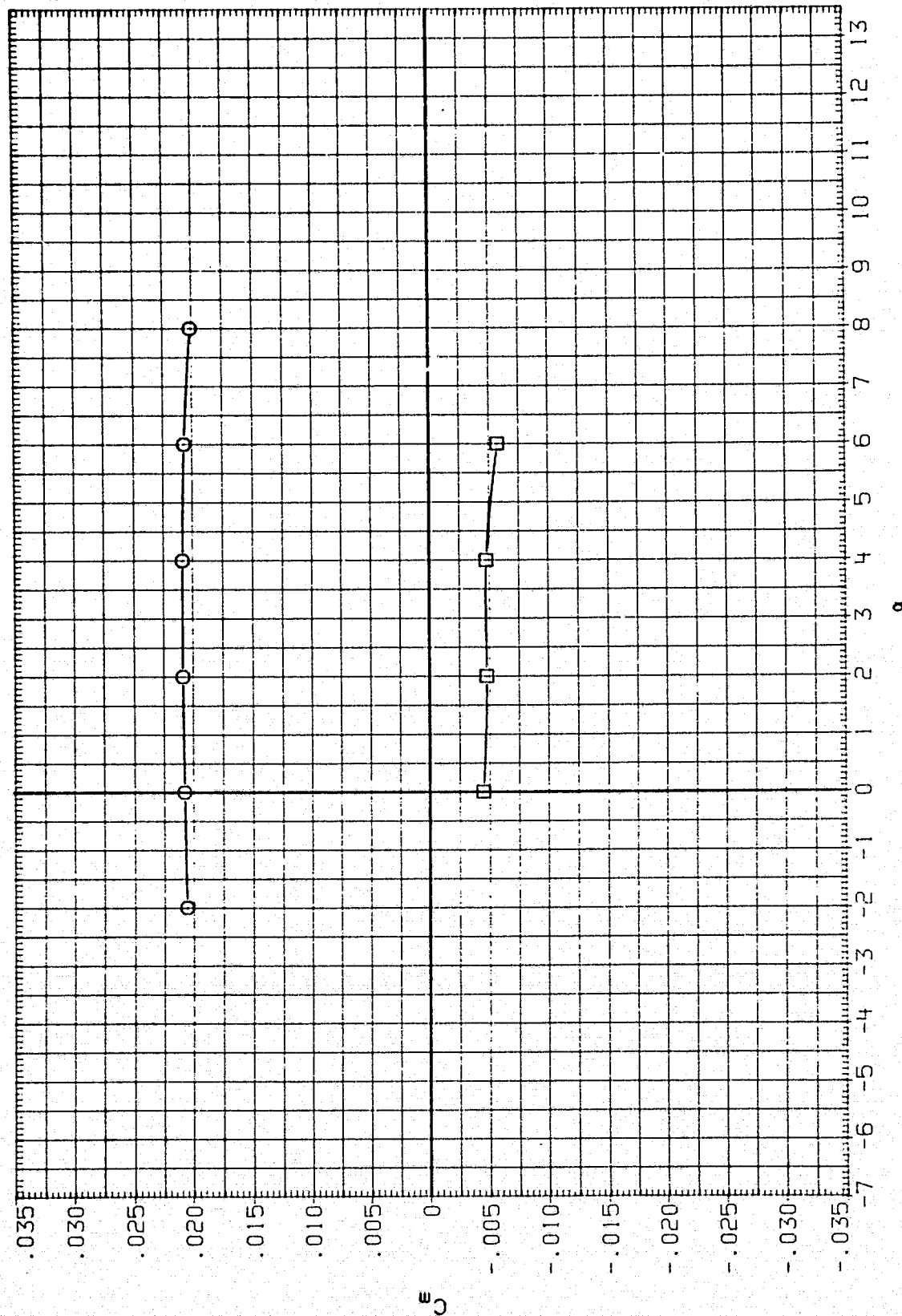


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-M	PHI-MR	ELV-L	BOFLAP
AFPF01	0A1638 B69C12G20M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	0A1639 B68C12G20M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

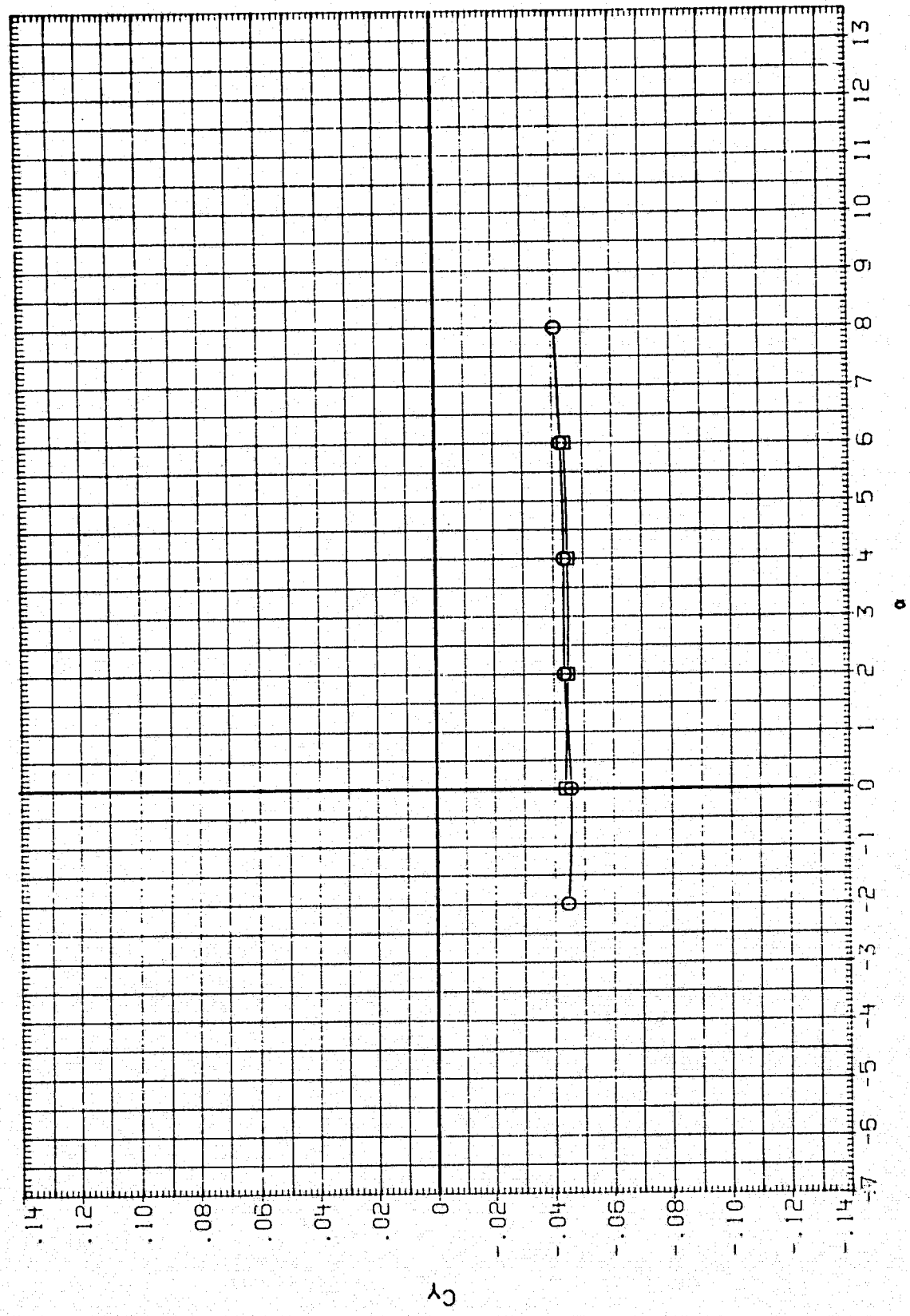


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL
 AFF01
 AFF06

CONFIGURATION

0A1638 B68C12G20M16N28M127E5F10VBR5X911
 0A1638 B68C12G20M16N28M127E5F10VBR5X911

THETAN
 5.000
 5.000

PHI-N
 30.800
 30.800

THEIML
 5.000
 5.000

THETMR
 5.000
 5.000

PHI-ML
 32.200
 32.200

PHI-MR
 32.200
 32.200

ELV-L
 .000
 .000

BOFLAP
 .000
 16.300

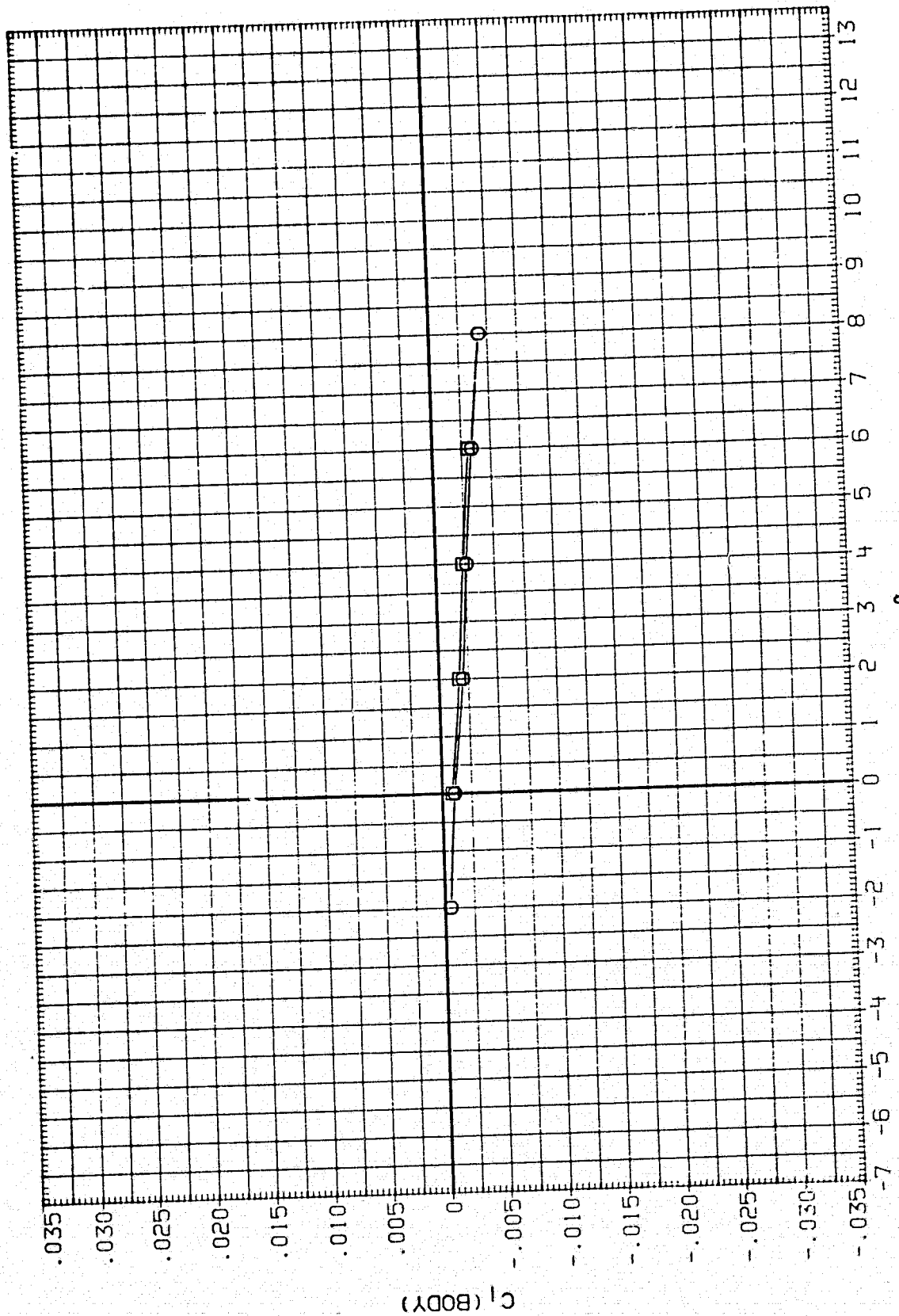


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	THETA	PHI-N	THETA-M	THETA-R	PHI-M-L	PHI-M-R	ELV-L	BOFLAP
APF01	□	0A1638 B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APF06	○	0A1638 B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

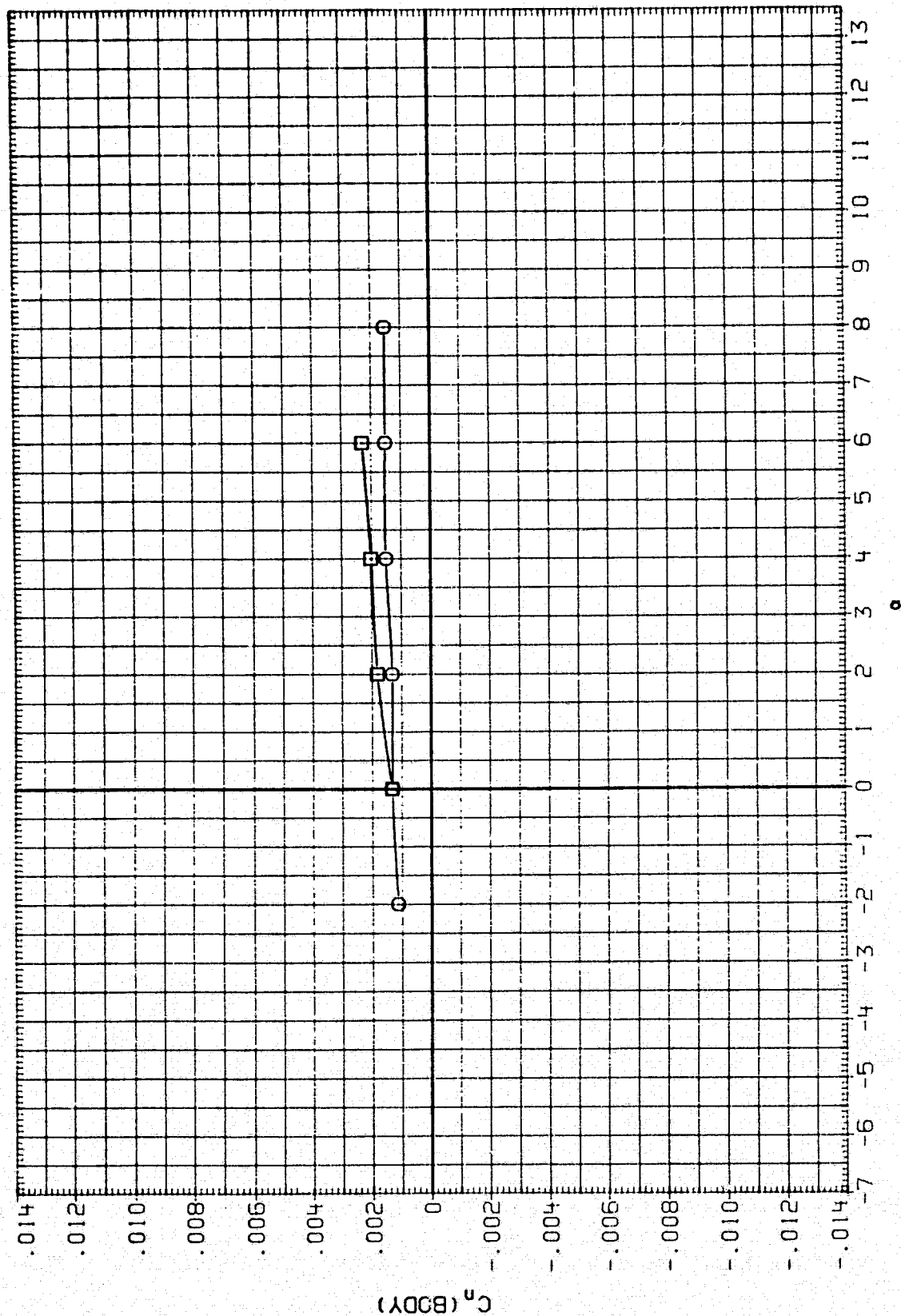


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(1) BETA = 3.00

DATA SET SYMBOL
 AFFP01 ☐ 0A163B B68C12G20M16N28W127E5F10V8R5X911
 AFFP06 ☐ 0A163B B68C12G20M16N28W127E5F10V8R5X911

CONFURATION

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

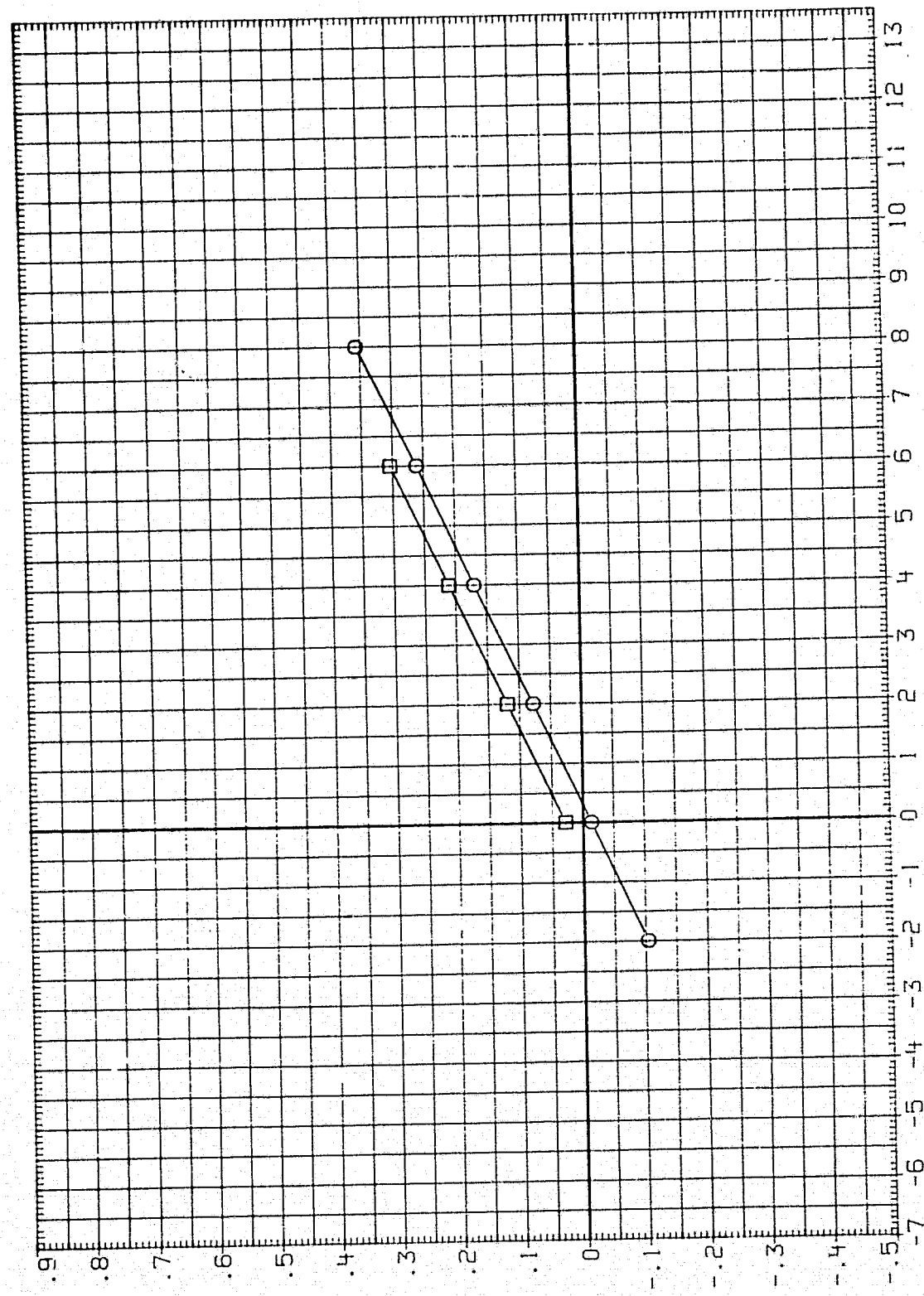


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(J)BETA = 4.00

DATA SET SYMBOL
 AFFP01
 AFFP05

CONF IGURATION
 0A1638 B58C12G20M16N28X127E5F 10V8R5X911
 0A1638 B58C12G20M16N28X127E5F 10V8R5X911

THETAN PHI-N THETML PHI-MR THETMR PHI-ML PHI-MR ELV-L BDFLAP
 5.000 30.800 5.000 32.200 5.000 32.200 32.200 .000
 5.000 30.800 5.000 32.200 5.000 32.200 32.200 16.300

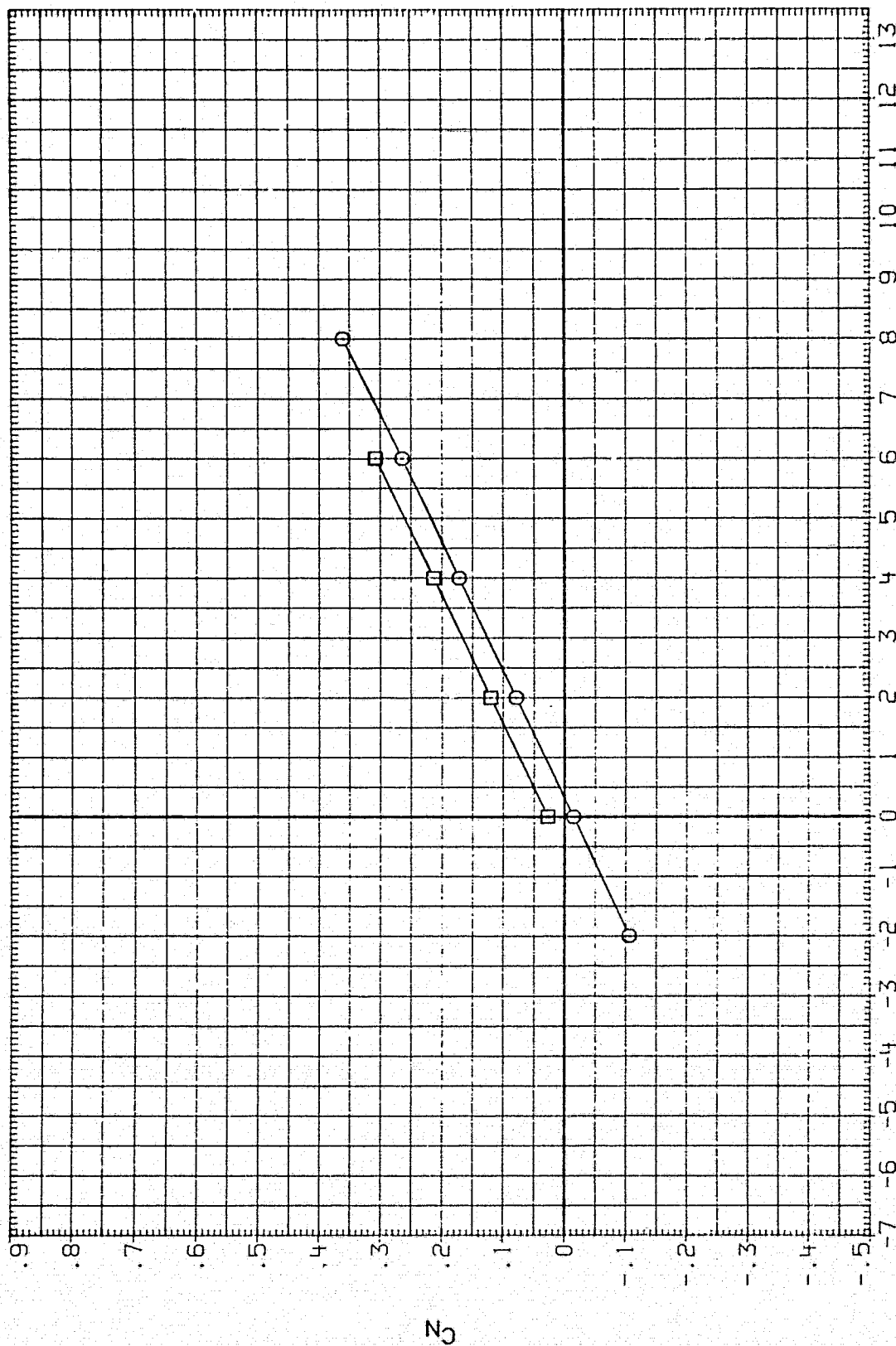


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(J)BETA = 4.00

BOFLAP
.000
16.300

ELV-L
.000
.000

PHI-MR
32.200
32.200

PHI-ML
32.200
32.200

THEMR
5.000
5.000

THEML
5.000
5.000

PHI-N
30.800
30.800

THETAN
5.000
5.000

CONFIGURATION
0A163B B68C12G20M16N28M127E5F10V8R5X911
0A163B B68C12G20M16N28M127E5F10V8R5X911

DATA SET SYMBOL
AFPF01 ☐
AFPF06 ☐

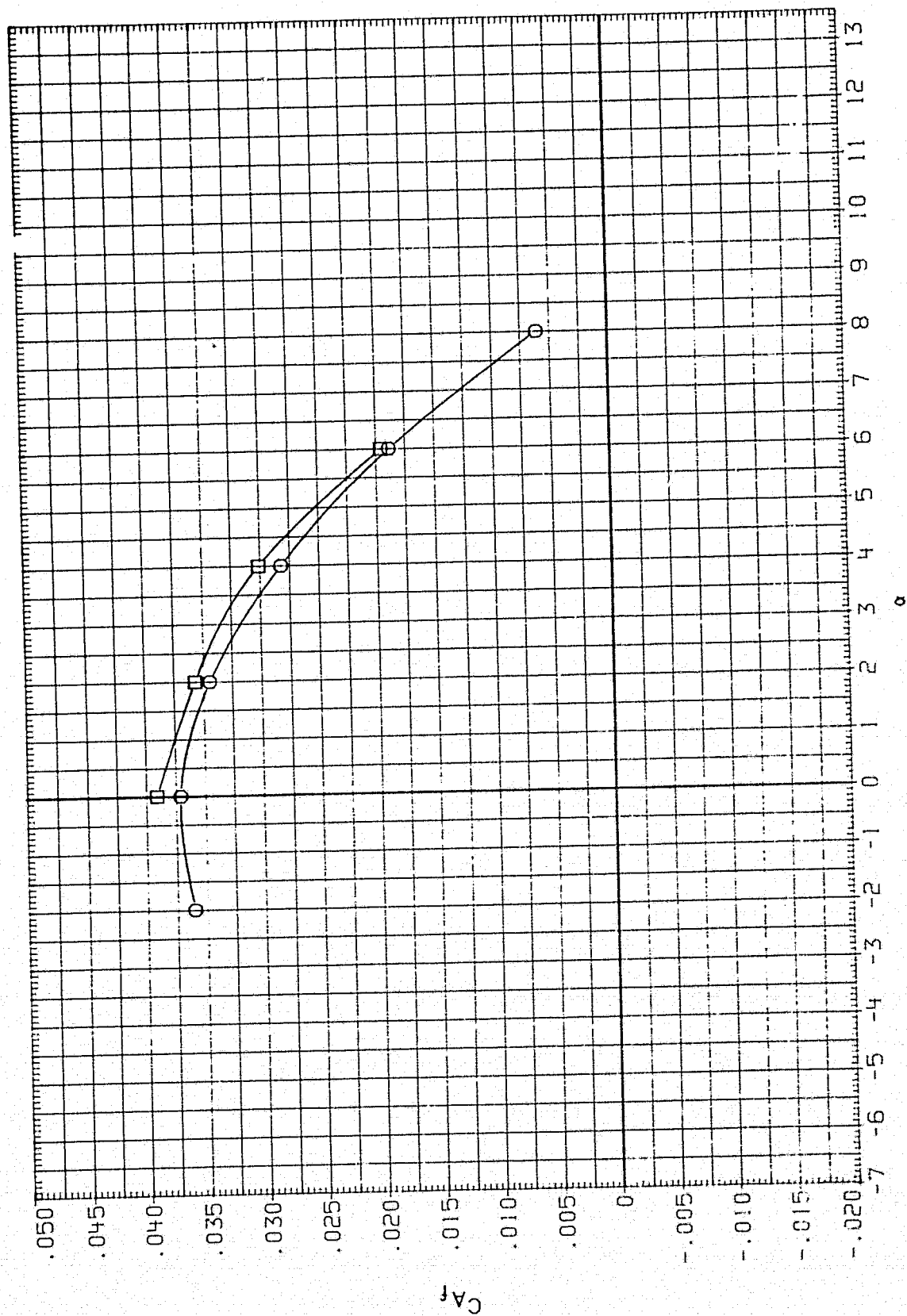


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL
 AFF01
 AFF06

CONF IGURATION
 0A1638 B68C12G20M16N28M127E5F 10V8R5X911
 0A1638 B68C12G20M16N28M127E5F 10V8R5X911

THE TAN PHI-N THE TML THE TMR PHI-ML PHI-MR ELV-L BDF LAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

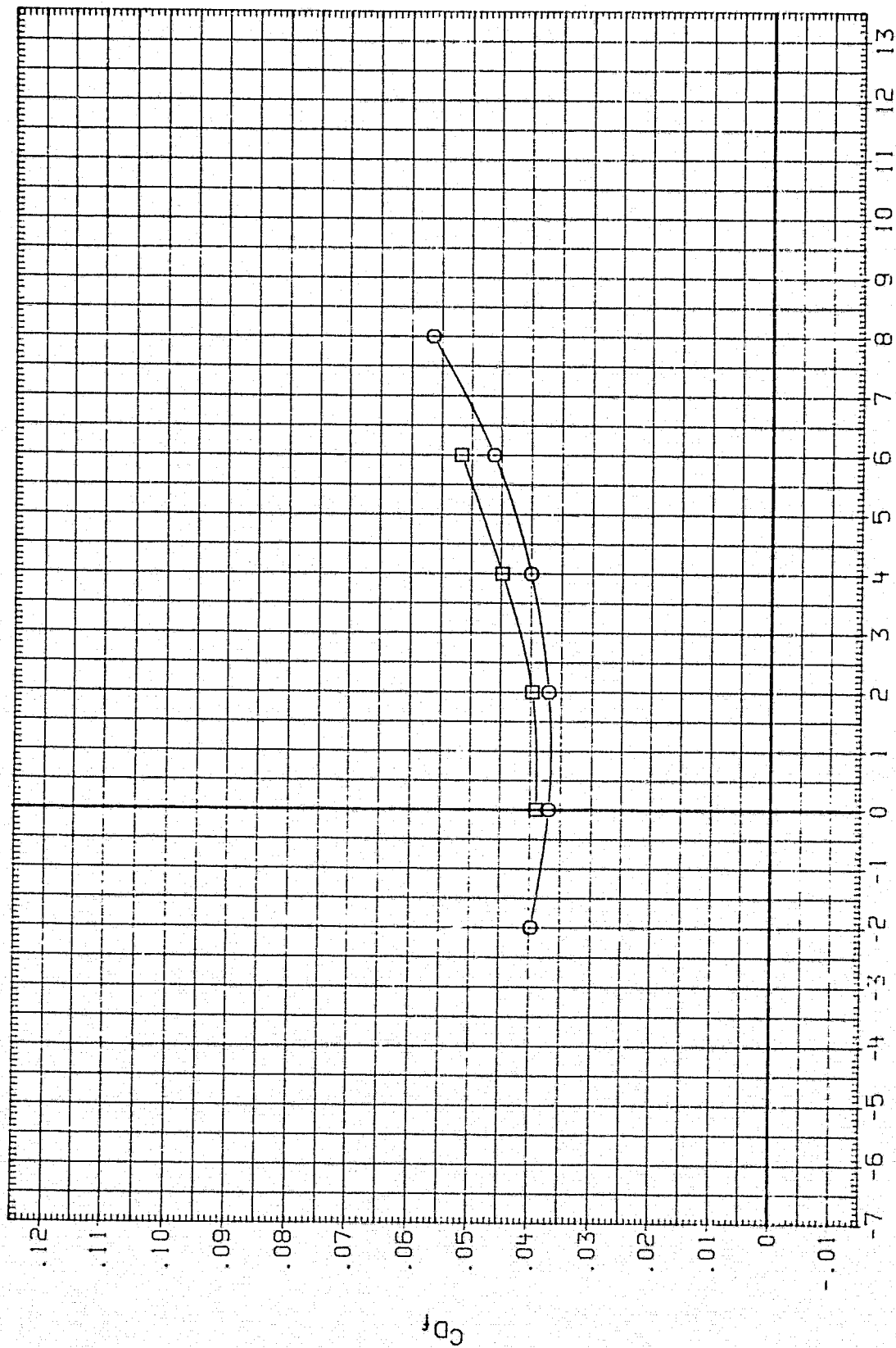


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(J) BETA = 4.00

DATA SET SYMBOL		CONFIGURATION		THETA	PHI-N	THEML	THEMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	○	0A163B	B68C12C20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A163B	B68C12C20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

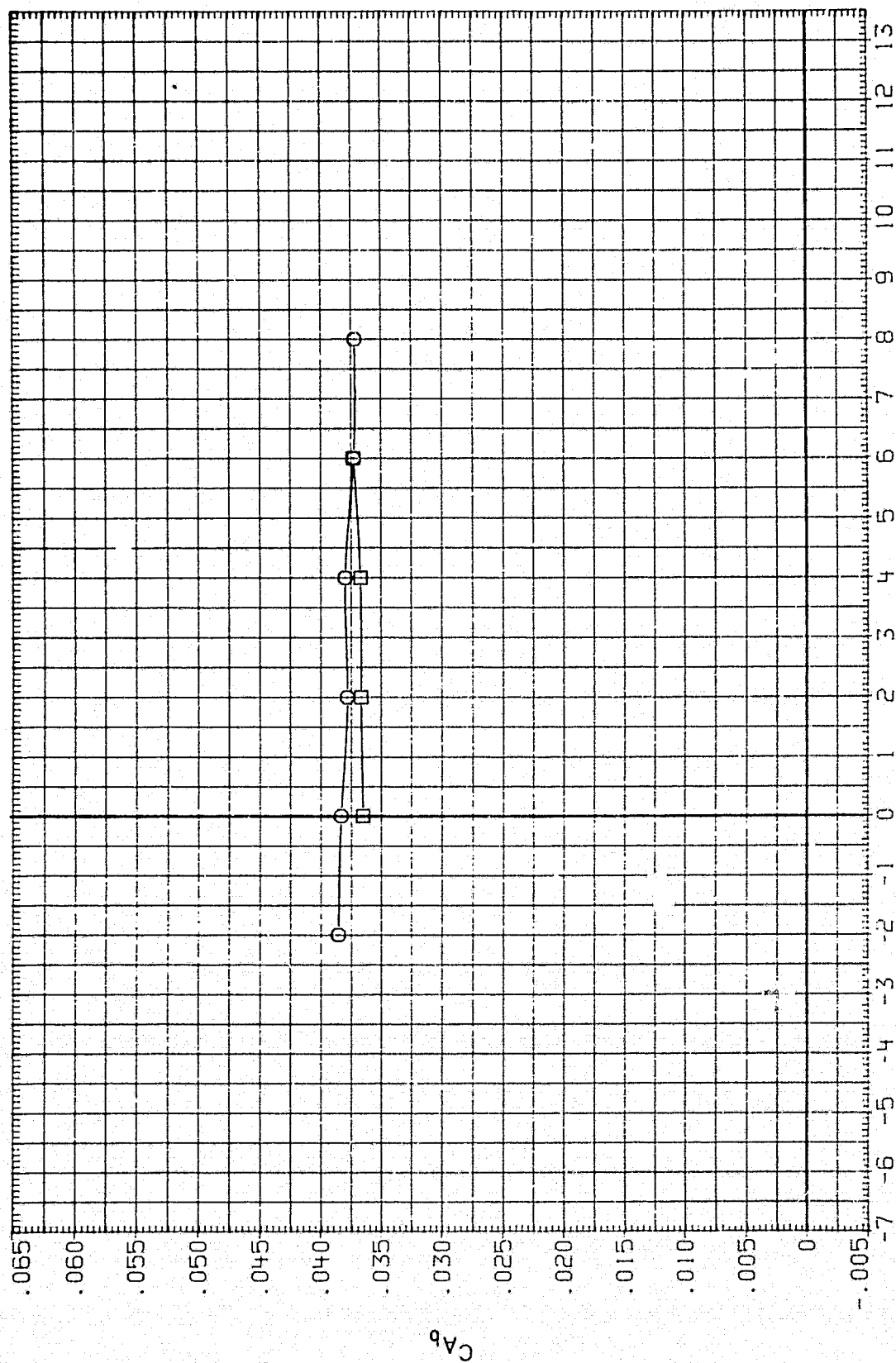


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL

AFPF01
AFPF05

□

CONFIGURATION

0A163B B68C12G20M16N28H127E5F10V8B5X911
0A163B B68C12G20M16N28H127E5F10V8B5X911

THEYAN
5.000
5.000

PHI-N
30.800
30.800

THETML
5.000
5.000

THETMR
5.000
5.000

PHI-ML
32.200
32.200

PHI-MR
32.200
32.200

ELV-L
.000
.000

BDFLAP
.000
16.300

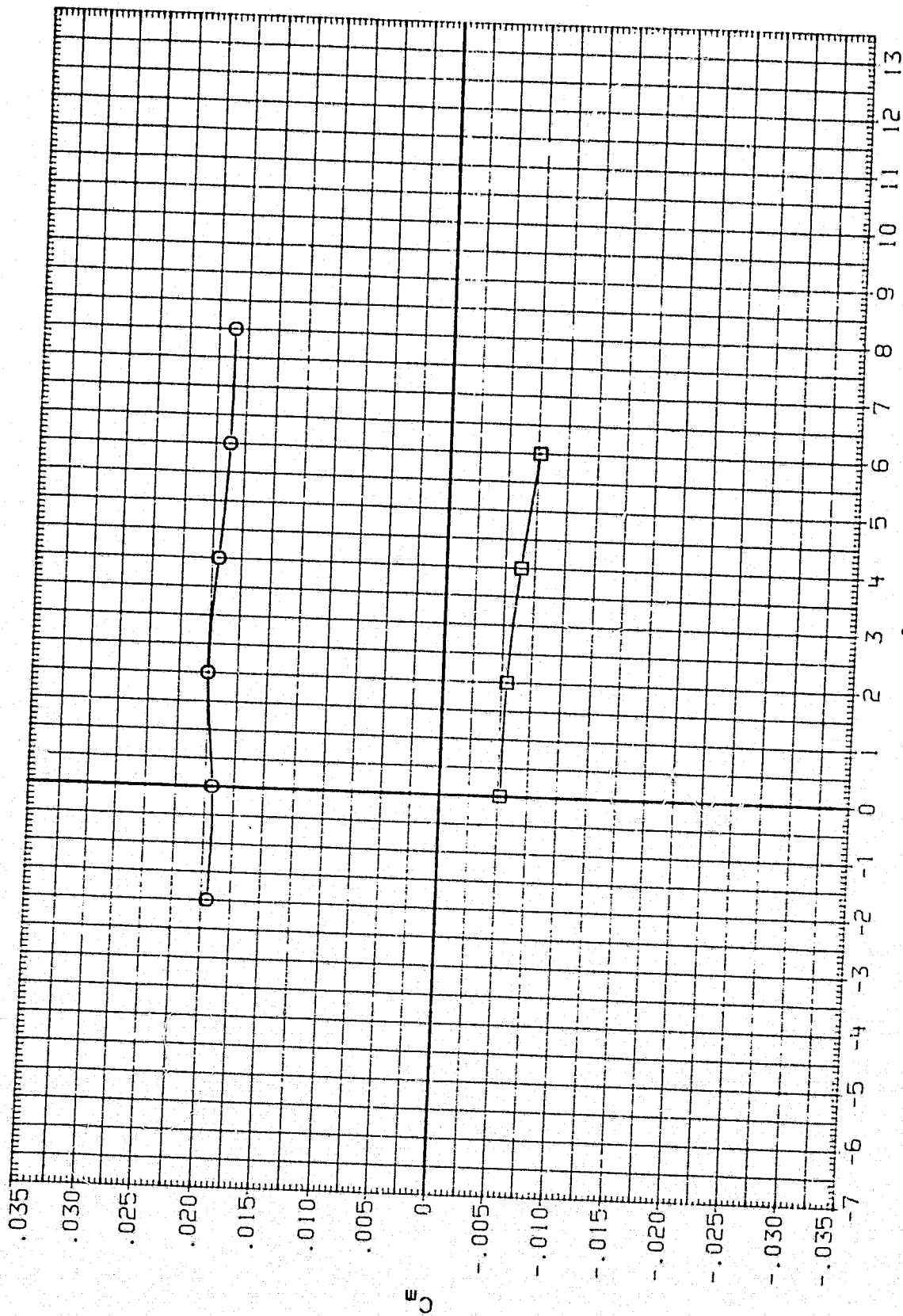


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(J)BETA = 4.00

DATA SET SYMBOL		CONF IGURATION		THETAN	PHI-N	THETML	THETNR	PHI-ML	PHI-NR	ELV-L	BDFLAP
AFPF01	□	0A163B	B6BC12G2CM16N28W127E5F10V8R5X311	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A163B	B6BC12G2CM16N28W127E5F10V8R5X311	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

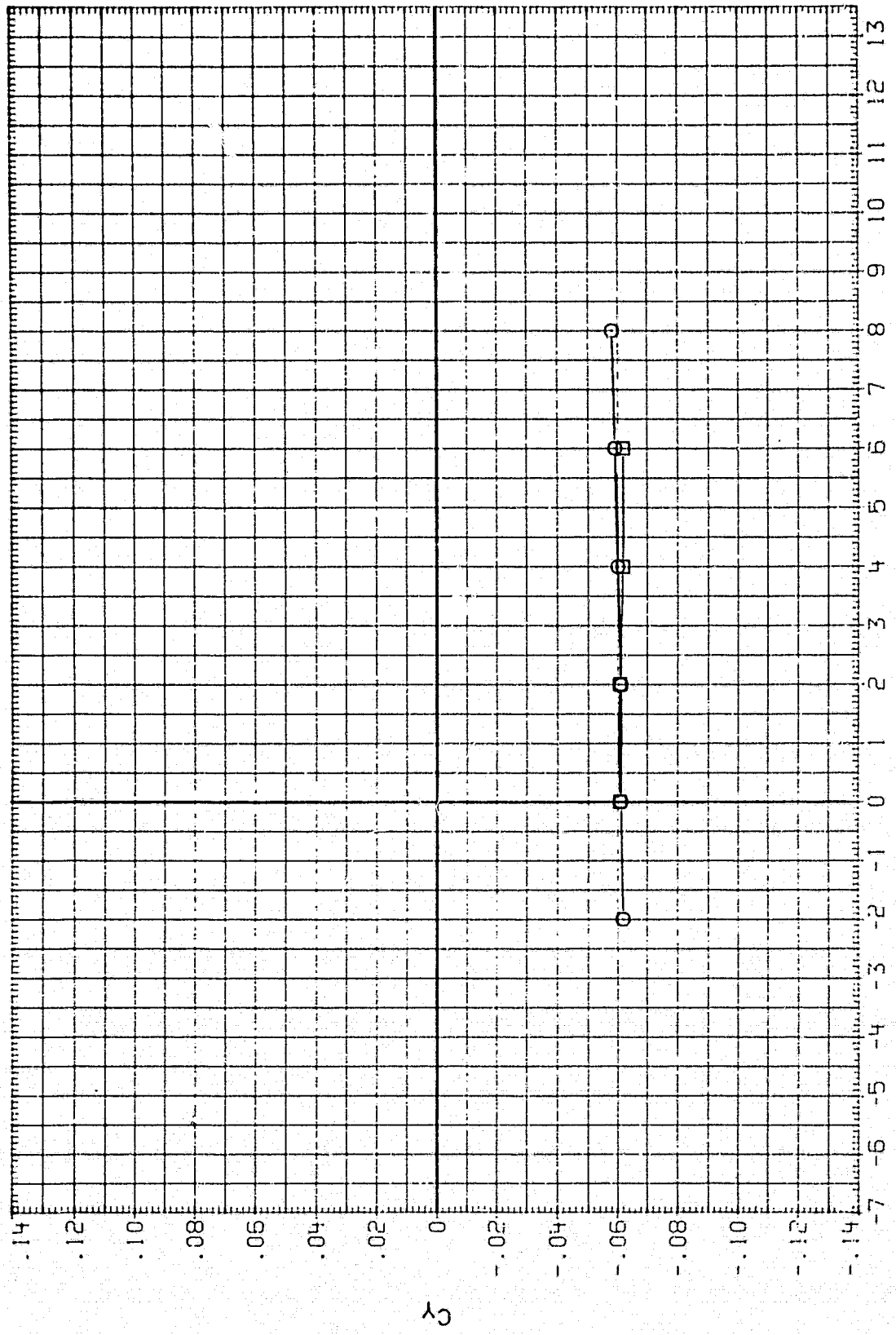


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	THETA	PHI-N	THETA-M	PHI-M	PHI-L	ELV-L	BDFLAP
AFPF01	○	0A163B 868C12020M16128K1275F 10V8R5X911	5.000	30.800	5.000	32.200	32.200	.000	.000
AFPF06	□	0A163B 868C12020M16128K1275F 10V8R5X911	5.000	30.800	5.000	32.200	32.200	.000	16.300

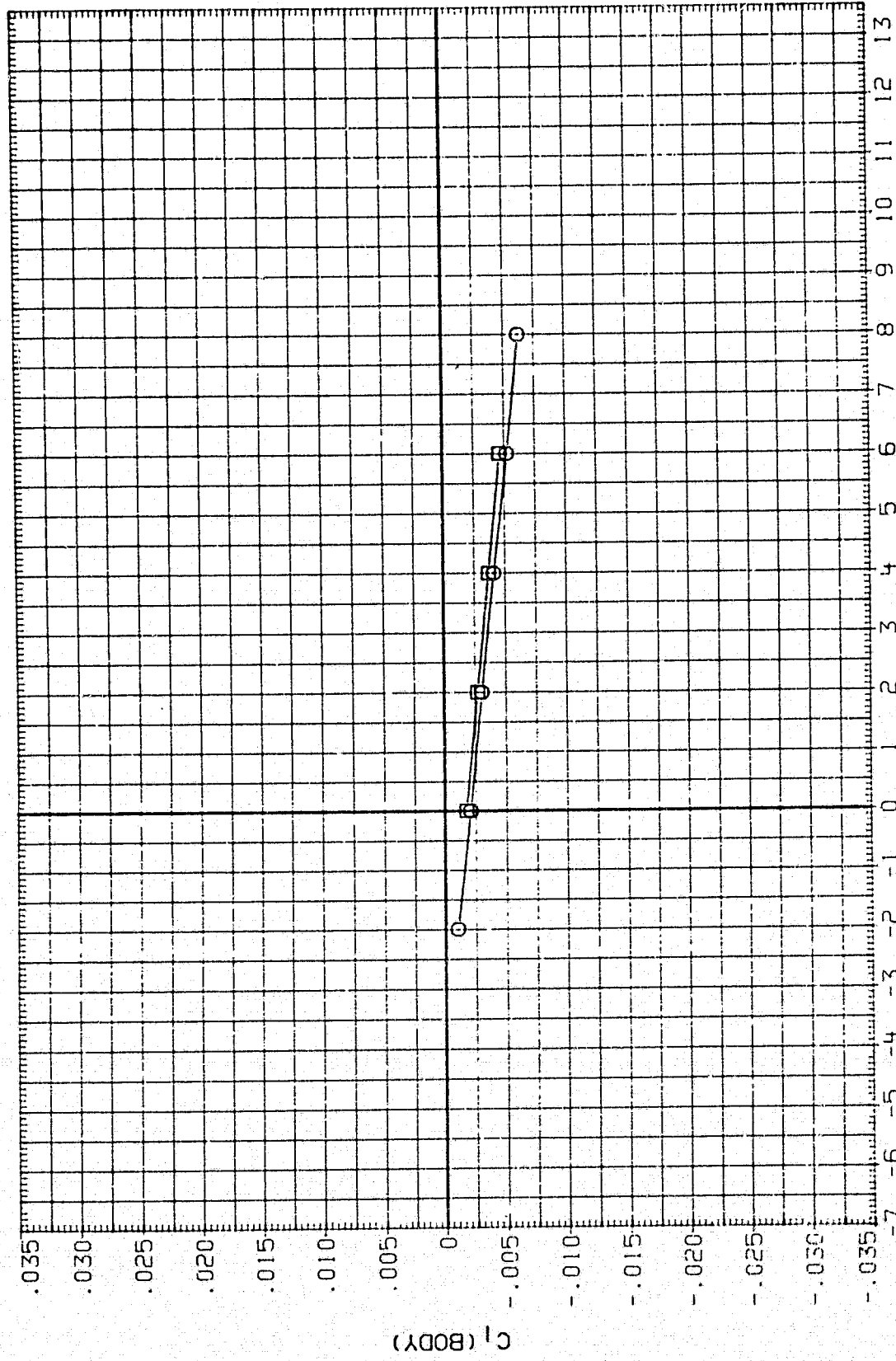


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(J)BETA = 4.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
APF01	OA163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APF06	OA163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

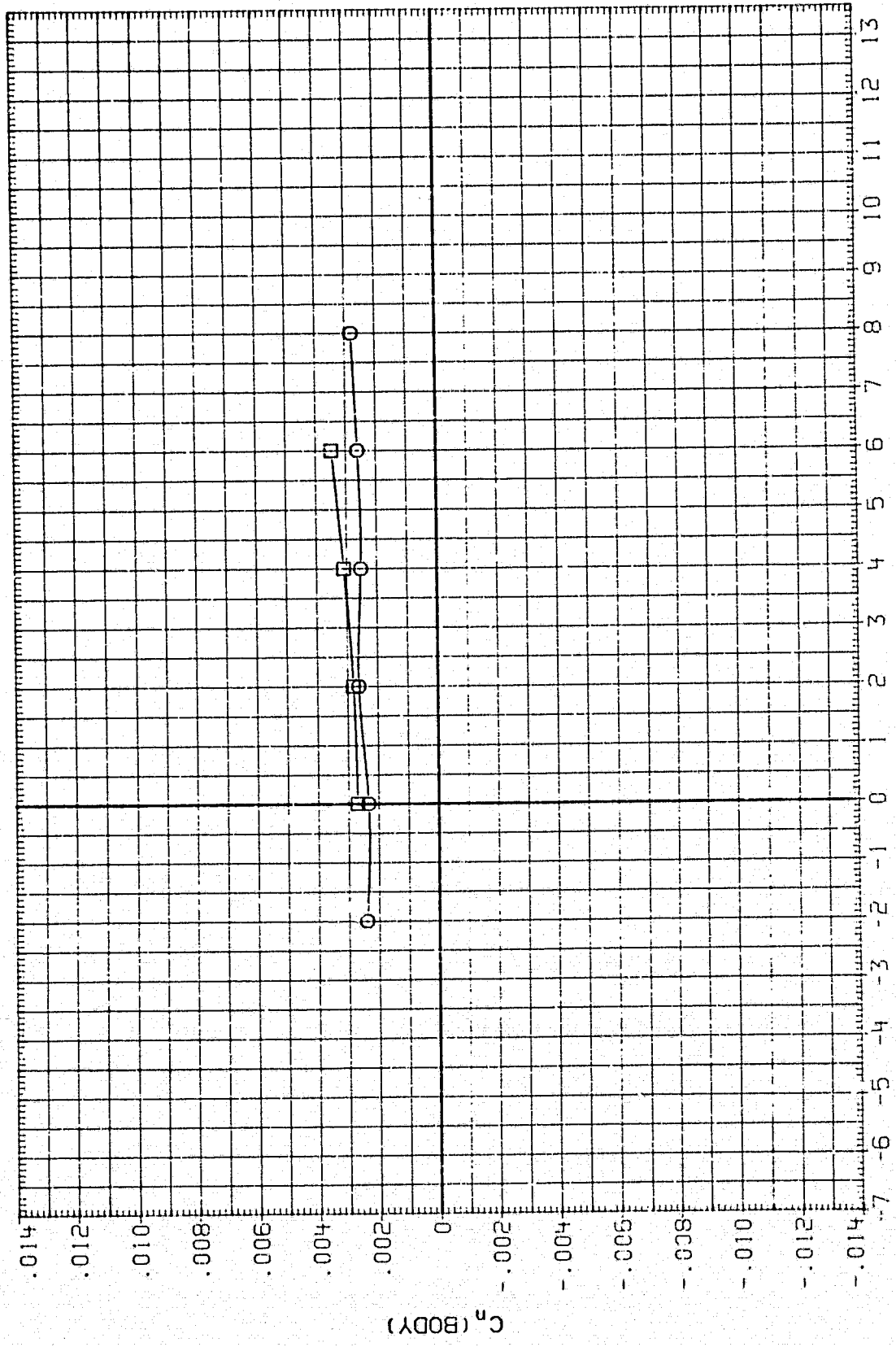


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL

APPF01
APPF05

□

CONF IGURATION

OA163B B68C12C20M16128W127E5F 10V8P5X911
OA163B B68C12C20M16128W127E5F 10V8P5X911

THE TAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV -L	BOFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

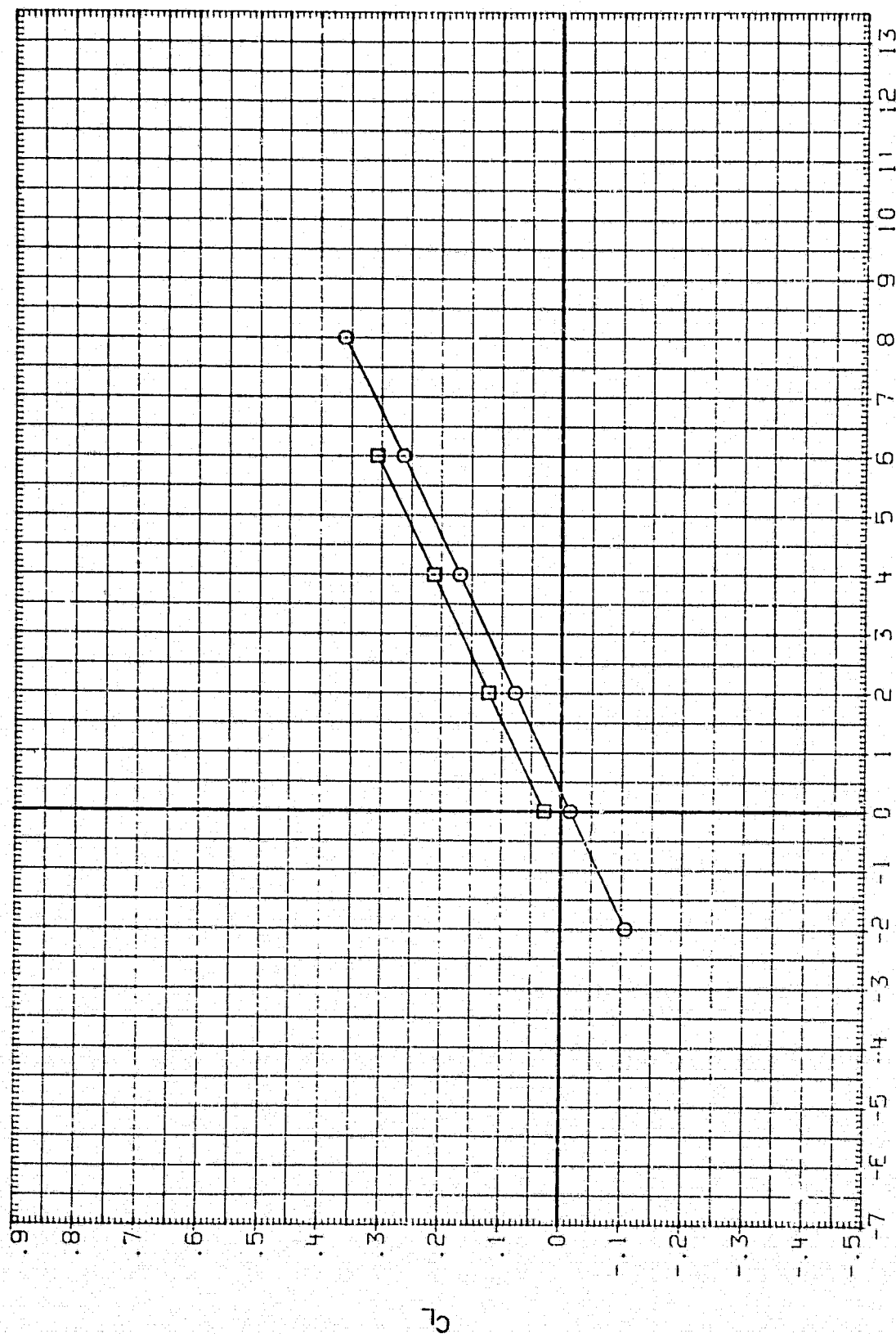


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(K) BETA = 5.00

DATA SET SYMBOL

AFPF01
AFPF05

CONFIGURATION

0A163B B68C12G2PM16N20M127L5F10.48R5X911
0A163B B68C12G2PM16N20M127L5F10.48R5X911

THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
5.000	30.600	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

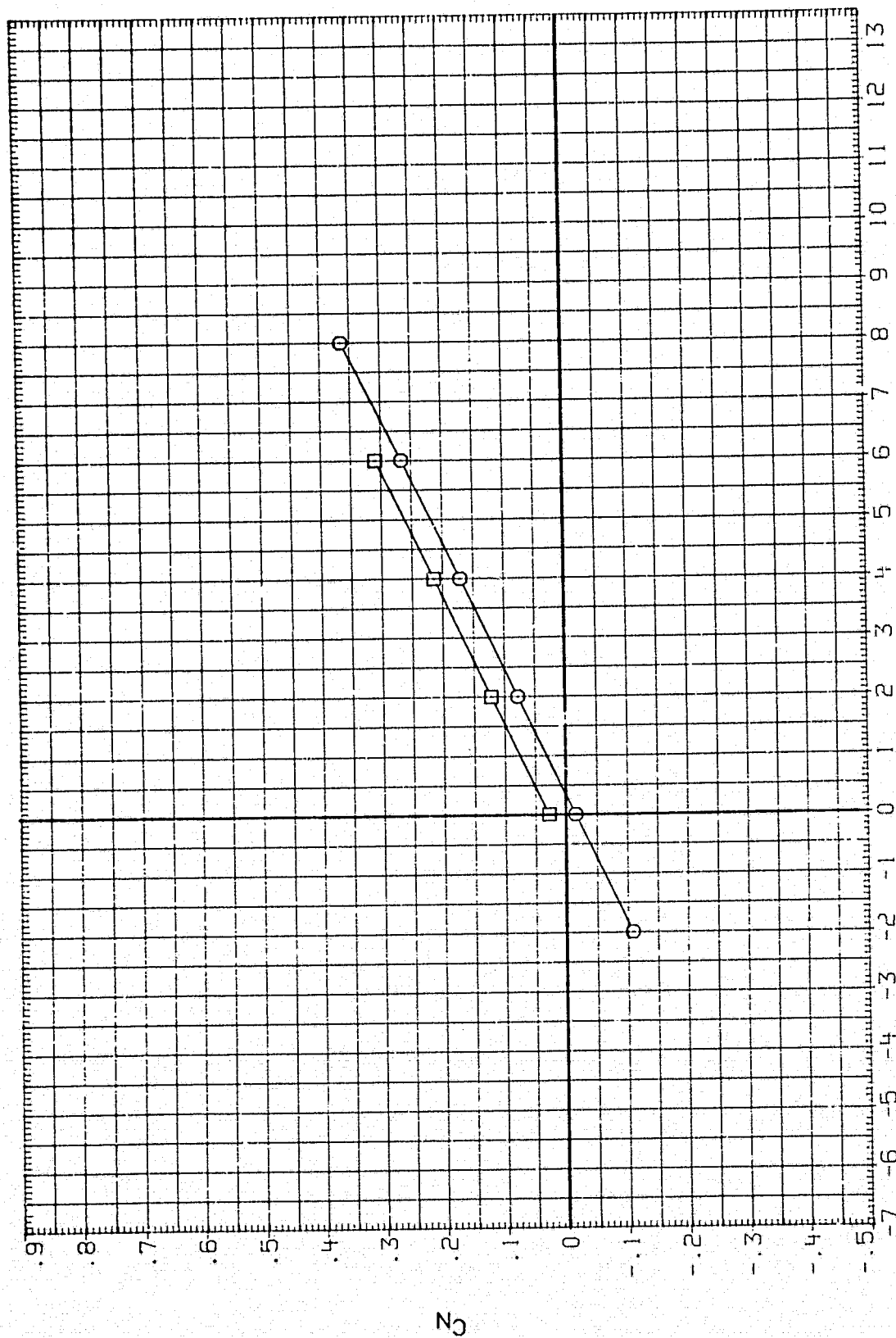


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI -N	THETML	THETMR	PHI -ML	PHI -MR	ELV-L	BDFLAP
APF01	0A163B B68C12G20M16A28H127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APF06	0A163B B68C12G20M16A28H127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

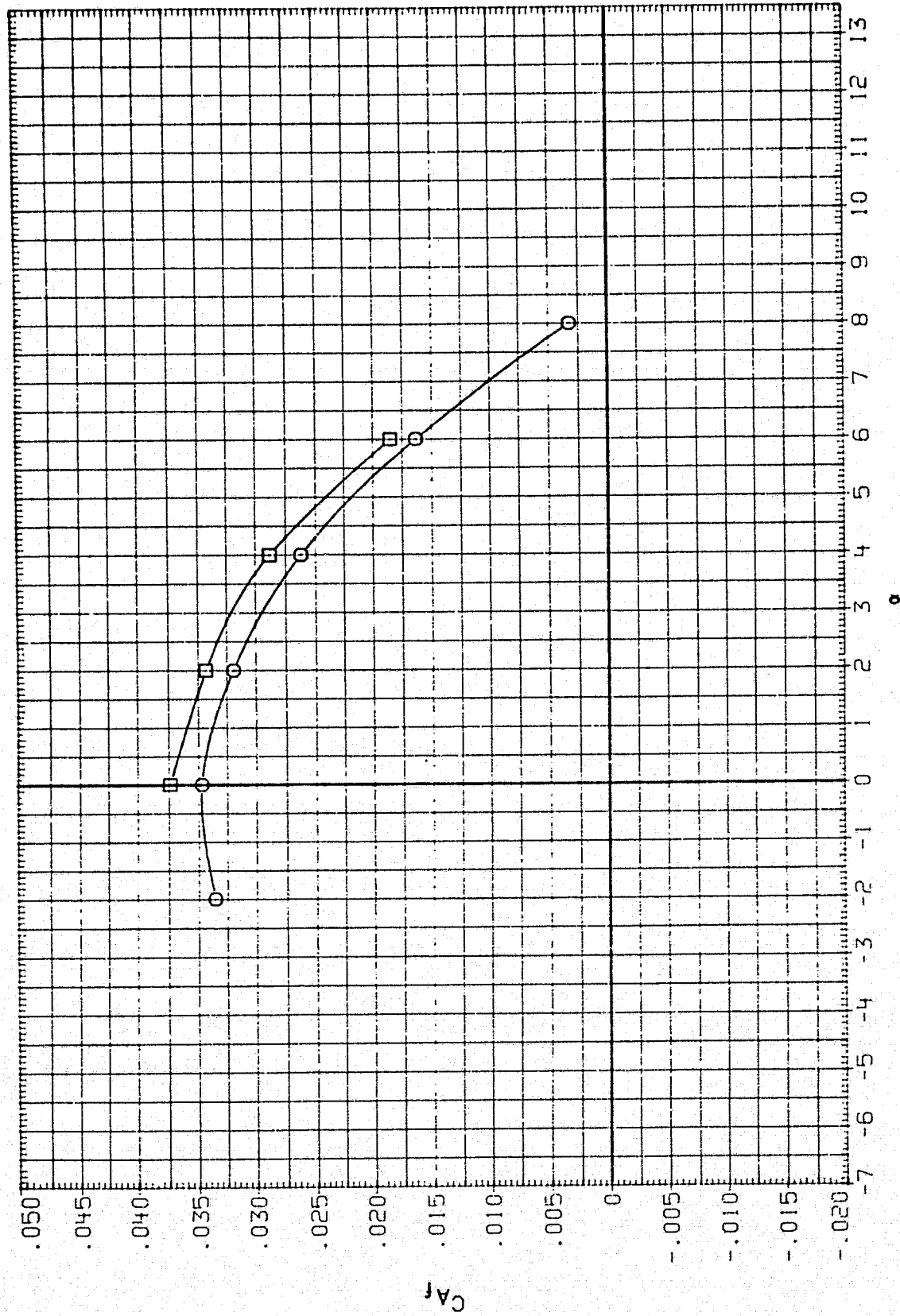


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	□	OA163B	B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	OA163B	B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

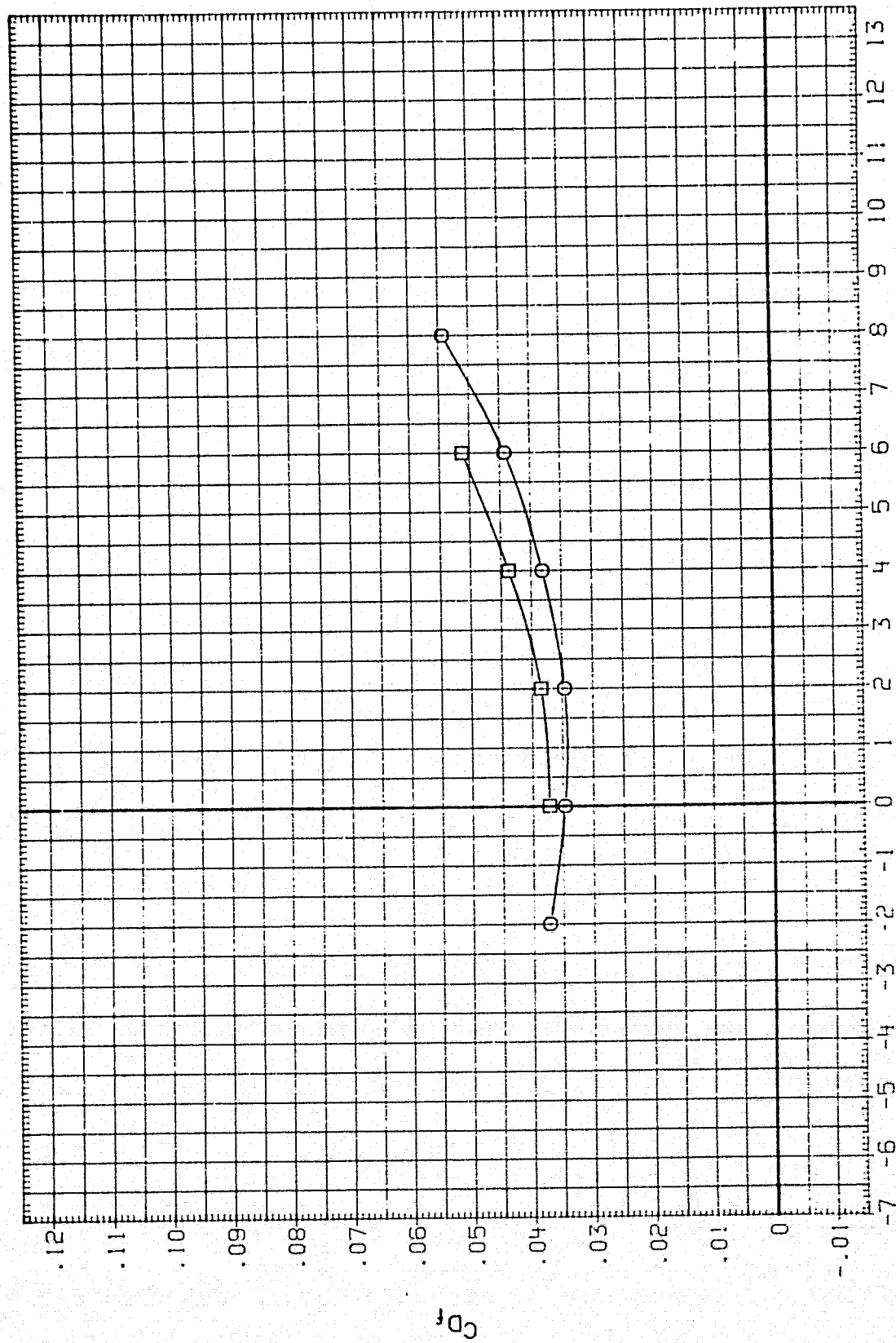


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
APPT 01	0A163B B68C12G20M16M2P8M127E5F10V8R5X311	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
APPT 06	0A163B B68C12G20M16M2P8M127E5F10V8R5X311	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

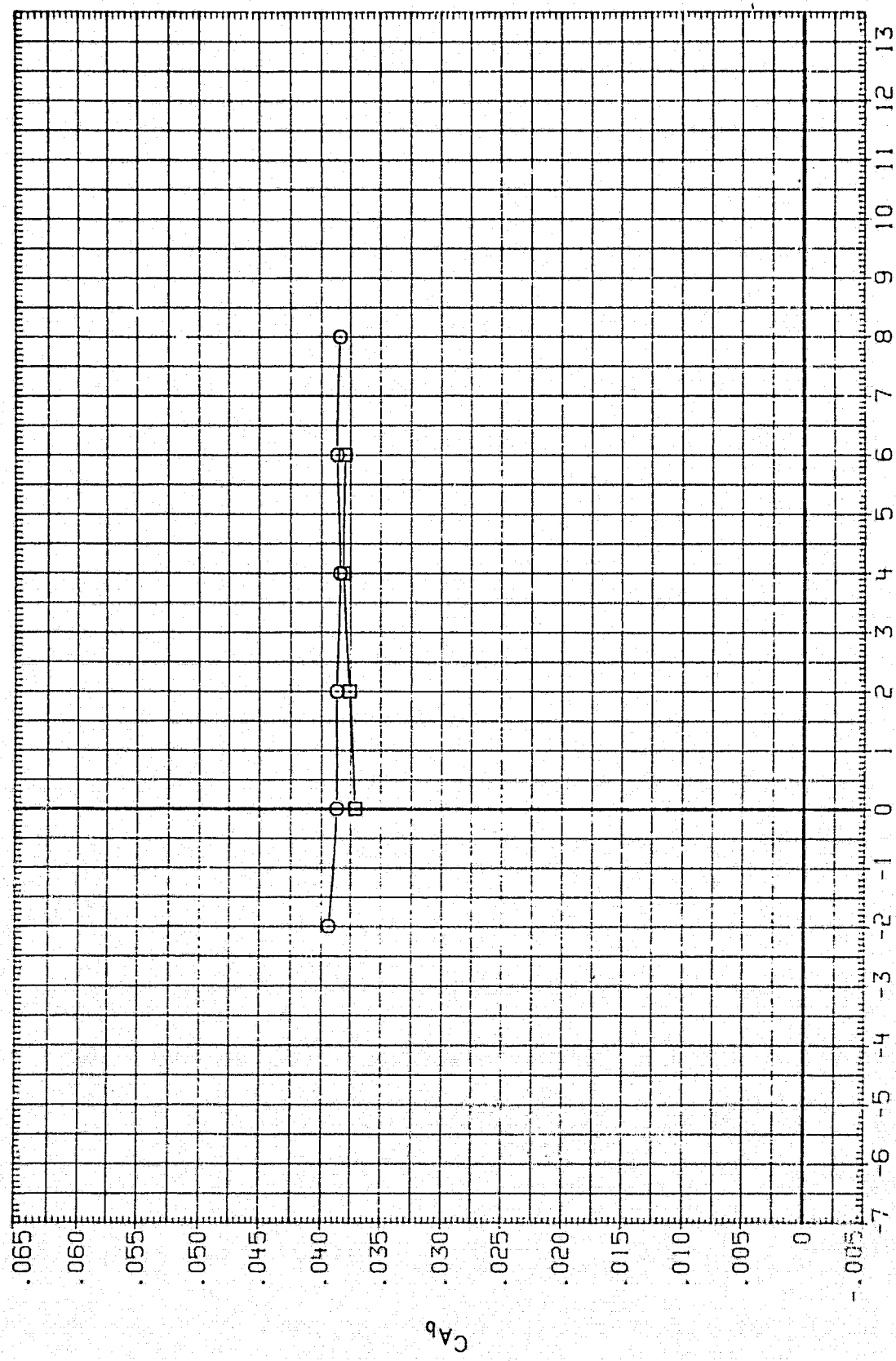


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(K) BETA = 5.00

DATA SET SYMBOL
 AFPF01
 AFPF06

CONFIGURATION

0A1638 B68C126204161284127E5F10VR5X911
 0A1638 B68C126204161284127E5F10VR5X911

THE TAN 5.000 5.000
 PHI-N 30.800 30.800
 THE TML 5.000 5.000
 THE TMR 5.000 5.000
 PHI-ML 32.200 32.200
 PHI-MR 32.200 32.200
 ELV-L .000 .000
 BDF LAP 16.300

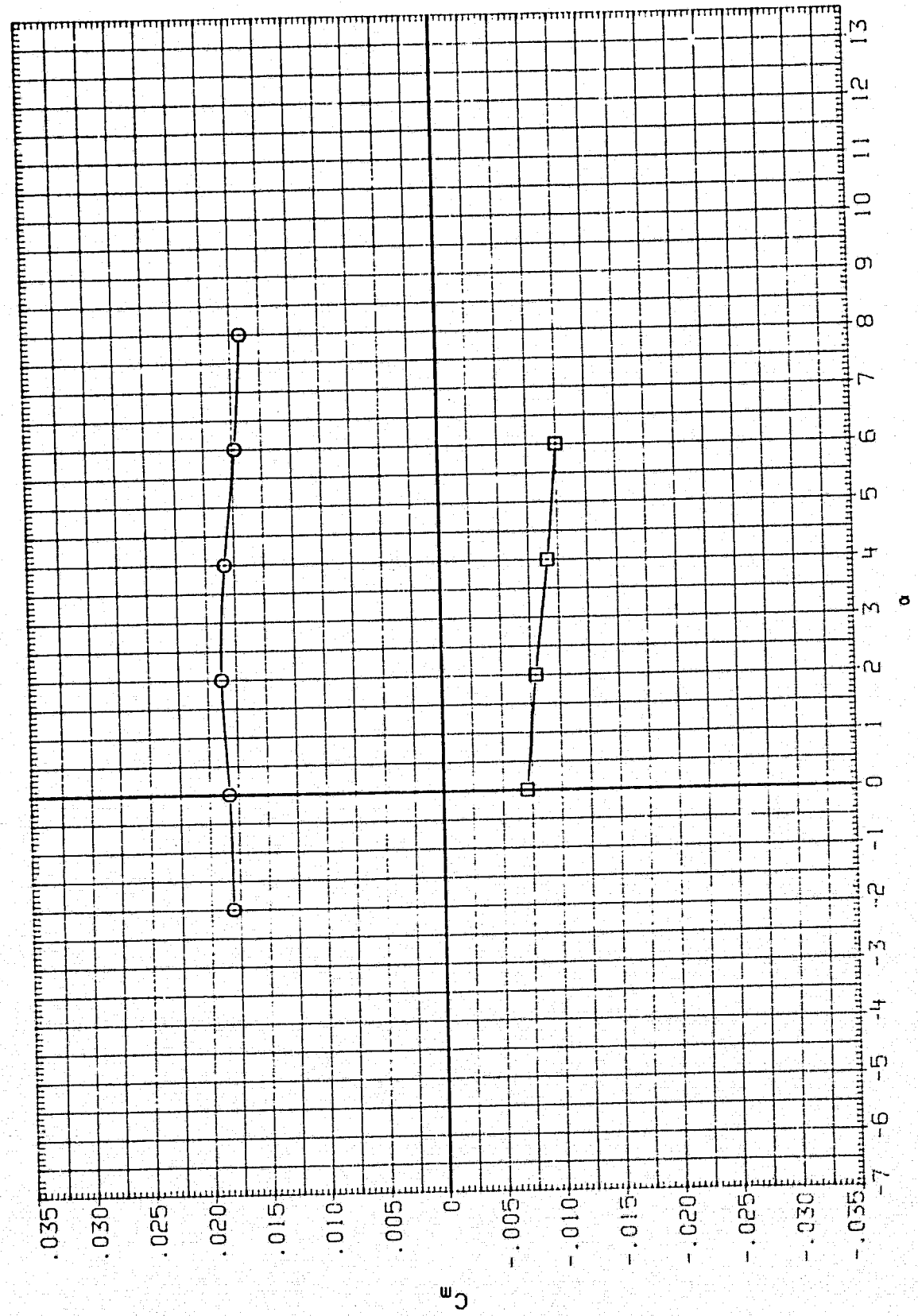


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL		CONF IGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPF01	0	0A163B	B58C12620M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPF06	□	0A163B	B58C12620M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

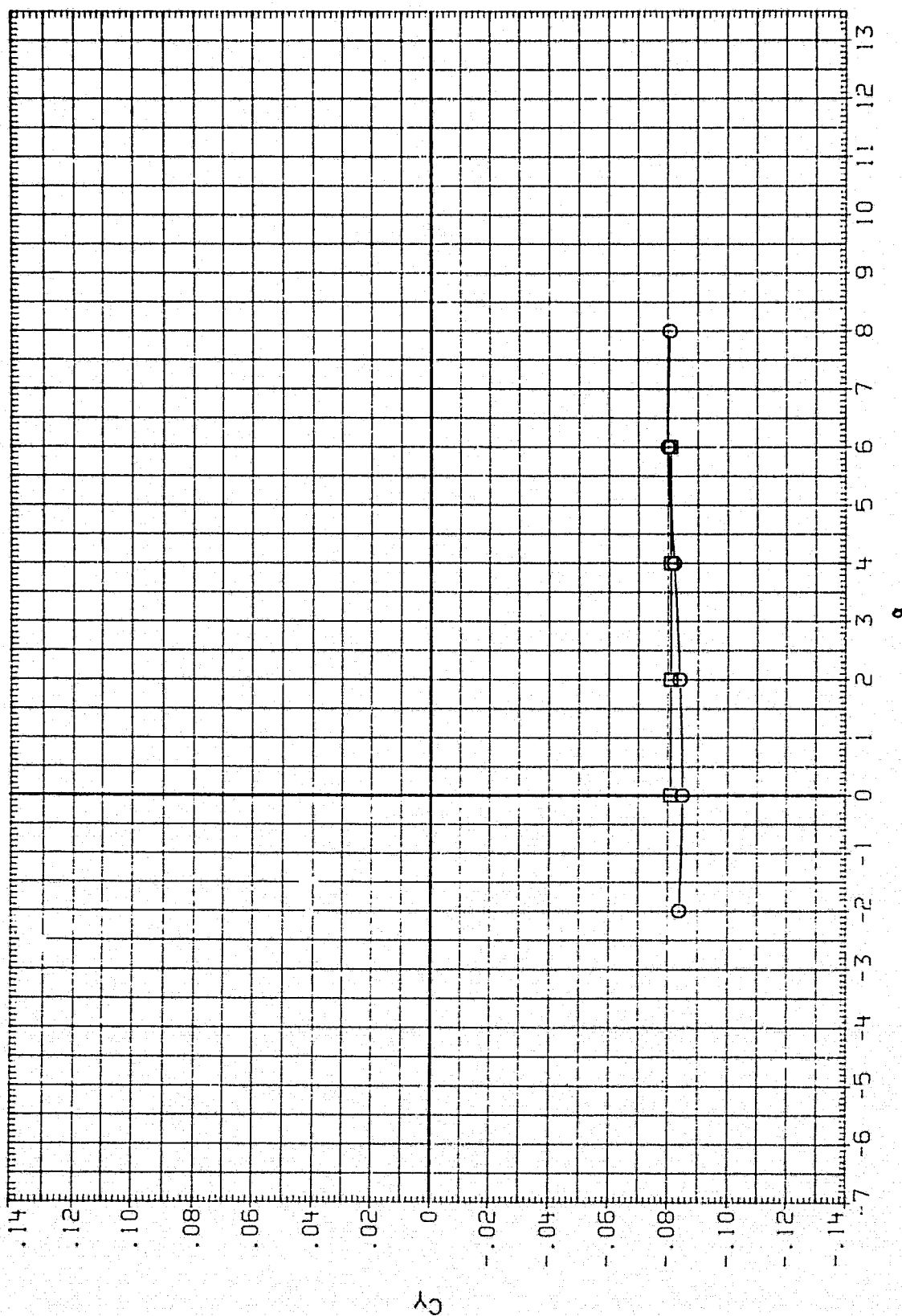


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(K)BETA = 5.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
APFD1	0A1638 B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
APFD6	0A1638 B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

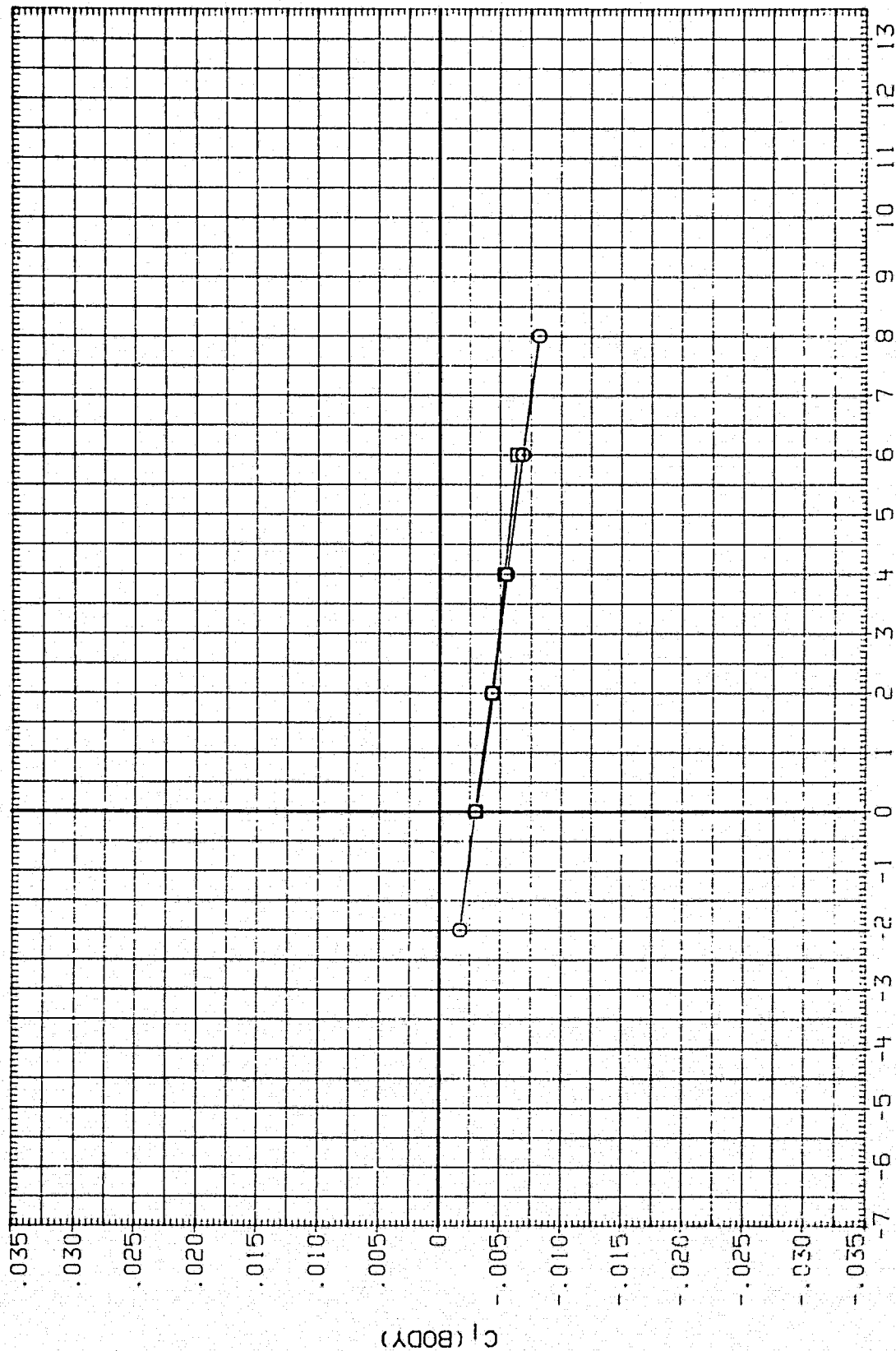


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

DATA SET SYMBOL

AFPP01
AFPP06

CONFIGURATION

0A163B B68C12G20M16A28W127E5F 10YBR5X911
0A163B B68C12G20M16A28W127E5F 10YBR5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

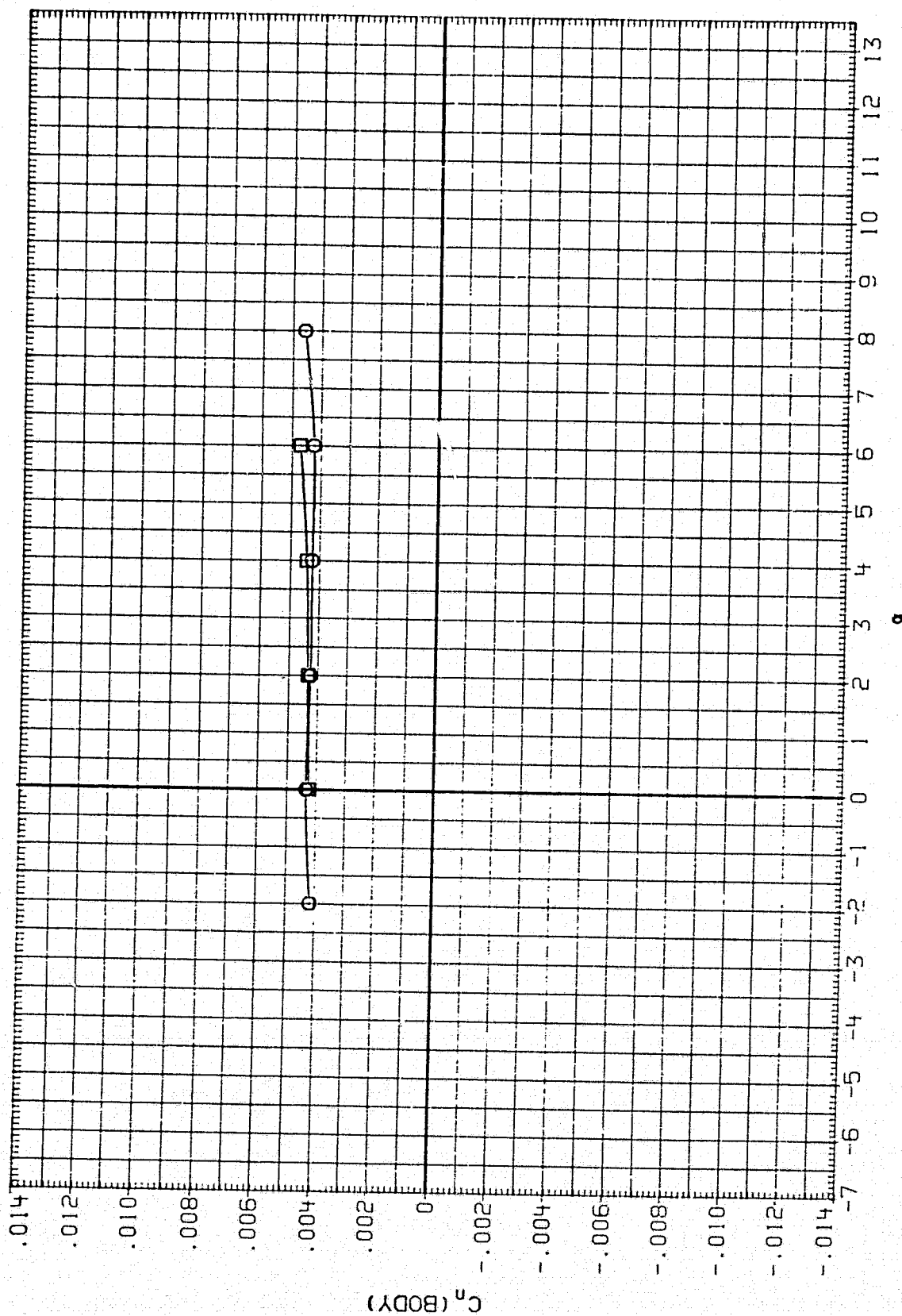


FIG 5 EFFECT OF BODY FLAP DEFLECTION ON ORBITER CHARACTERISTICS

(K) BETA = 5.00

DATA SET SYMBOL	CONFIGURAT 104	THETAN	PHI-N	THETML	THEMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFP01	0A163B B68C12G20M1612B4127E5F1078P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFP05	0A163B B68C12G20M1612B4127E5F1078P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

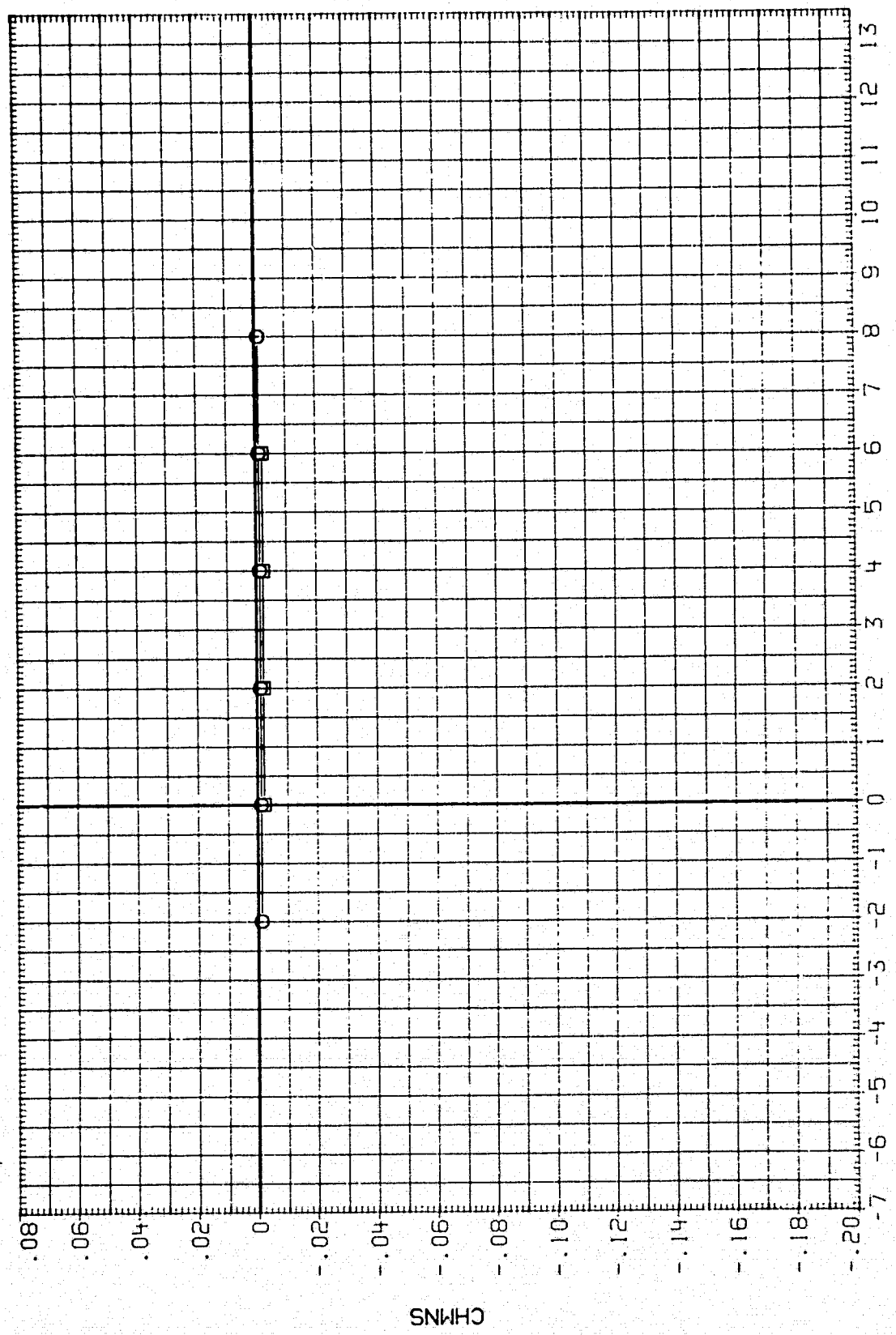


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(A) BETA = -5.00

DATA SET SYMBOL
AFPH01
AFPH05

CONFIGURATION

0A163B B6BC12C20M16N28M127E5F10V8R5X911
0A163B B6BC12C20M16N28M127E5F10V8R5X911

THE TAN 5.000 5.000
PHI-N 30.800 30.800
THETML 5.000 5.000
THETMR 5.000 5.000
PHI-ML 32.200 32.200
PHI-MR 32.200 32.200
ELV-L 5.000 5.000
BDFLAP .000 .000

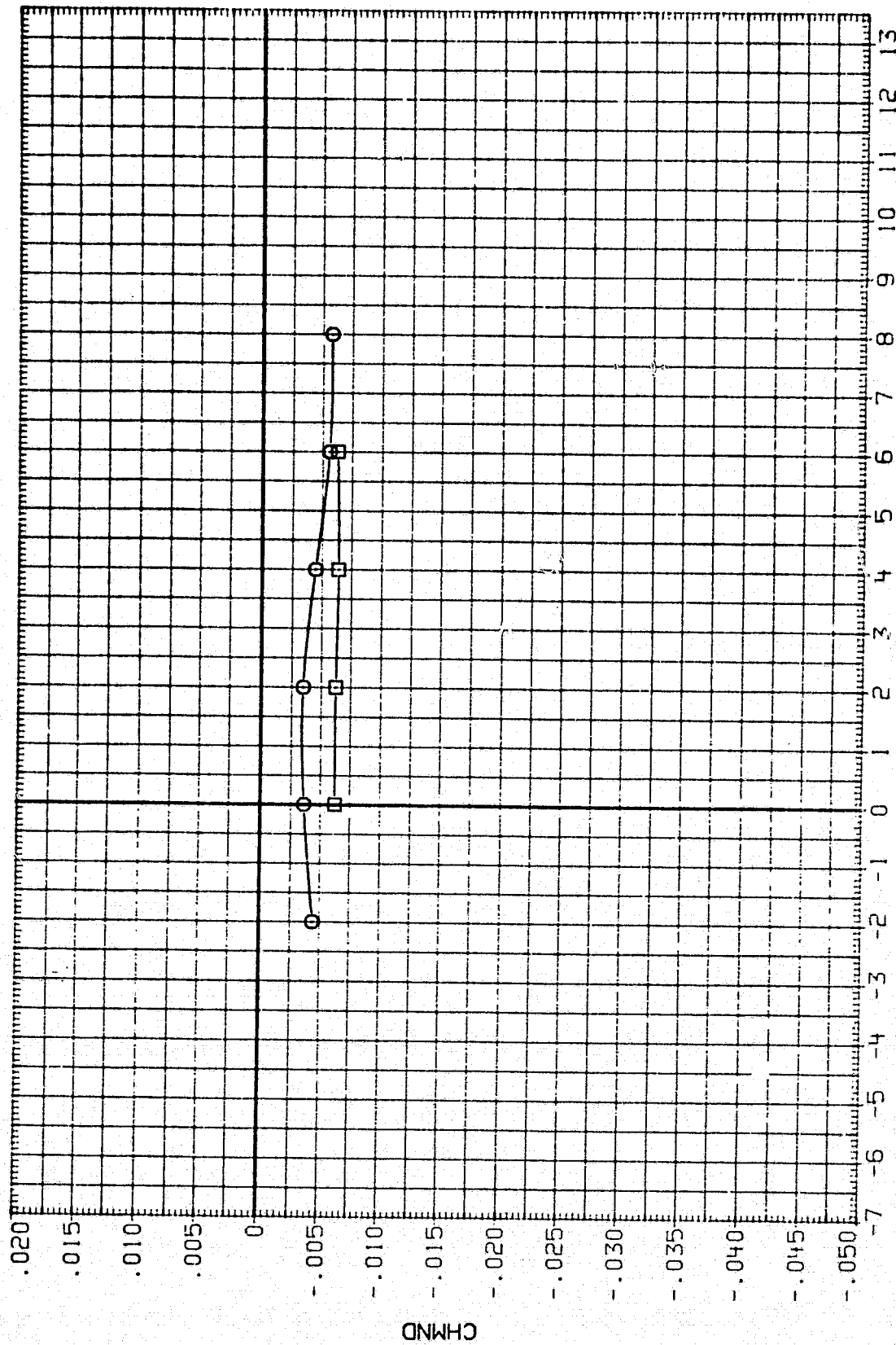


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(A) BETA = -5.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
AFPH01	0A1638 B68C12C20M16428M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPH05	0A1638 B68C12C20M16428M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

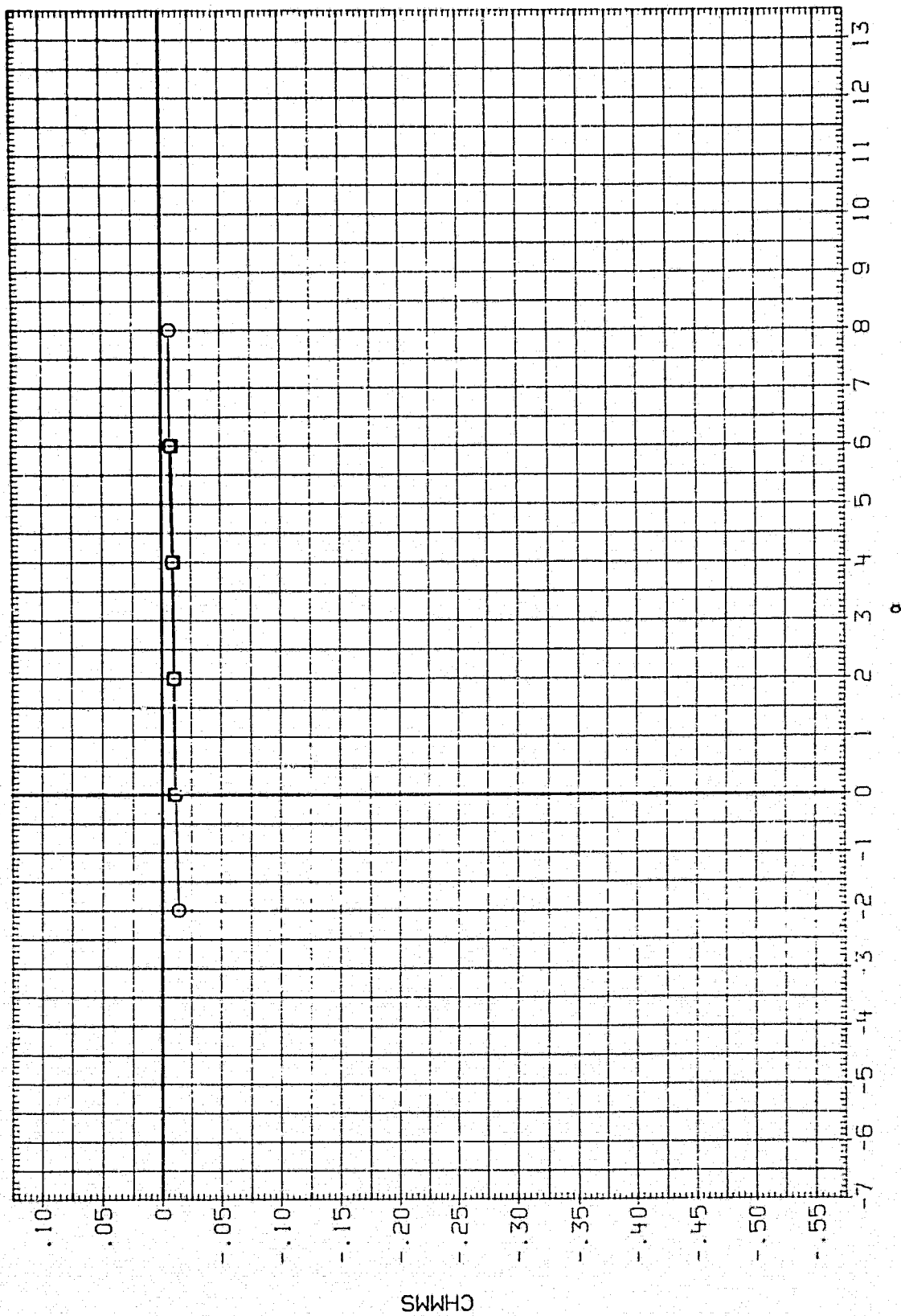


FIG 6 EFFECT OF ELEON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(A)BETA = -5.00

DATA SET SYMBOL		CONFIGURATION		THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BDF LAP
AFPH01	○	0A163B	B68C12C270M16129M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	□	0A163B	B68C12C270M16129M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

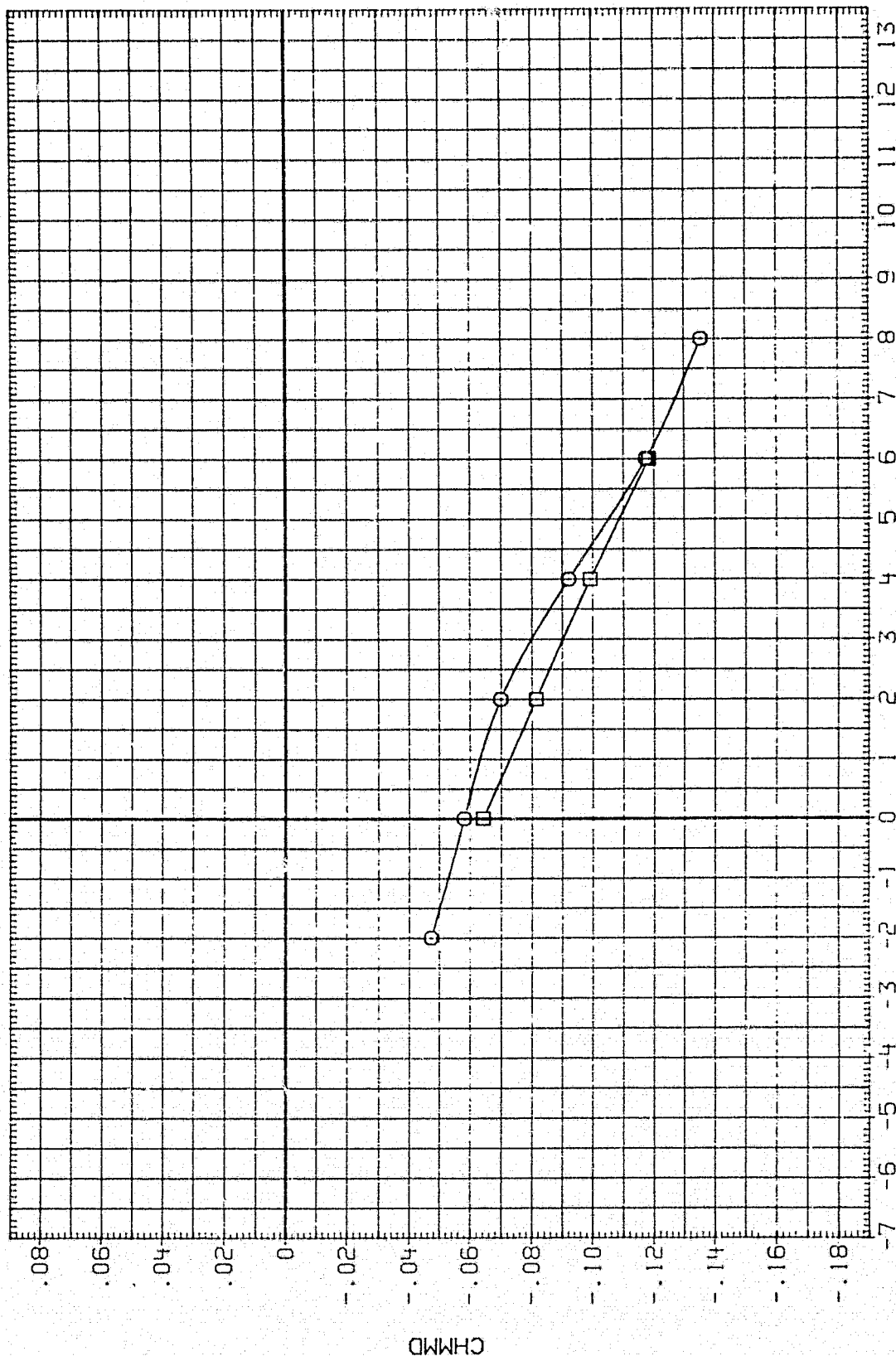


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(A) BETA = -5.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0	0A163B	B58C12020M16428N127E5F10VBR5X911	5.000	30.800	5.000	32.200	32.200	.000	
AFPH05	0	0A163B	B58C12020M16428N127E5F10VBR5X911	5.000	30.800	5.000	32.200	32.200	5.000	.000

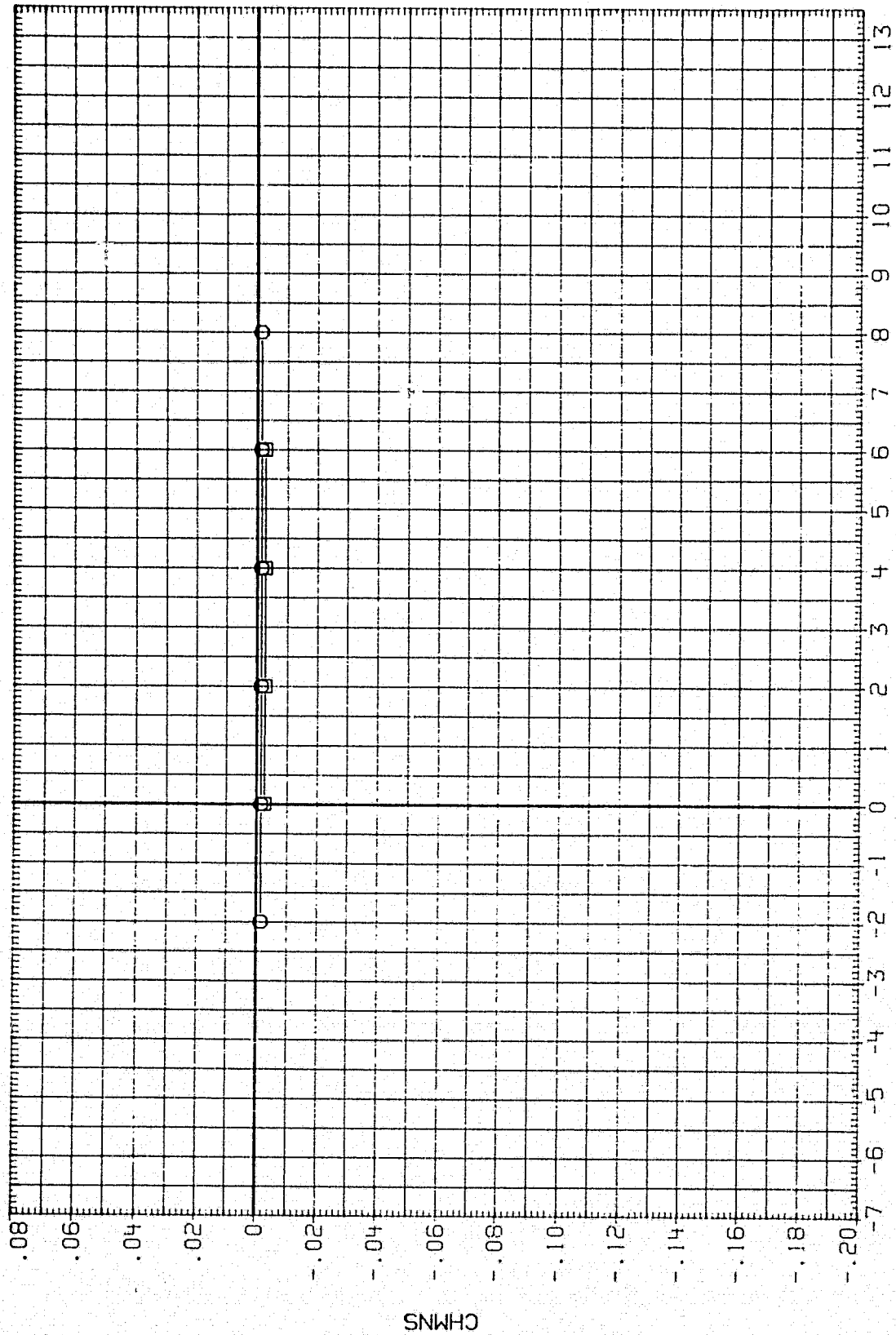


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(B)BETA = -4.00

DATA SET SYMBOL

AFPH01
AFPH05

CONF IGURATION

0A1638 B68C12G20M16N28W127E5F 10VBR5X911
0A1638 B68C12G20M16N28W127E5F 10VBR5X911

THETAN PHJ-N THETML THETMR PHJ-ML PHJ-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000

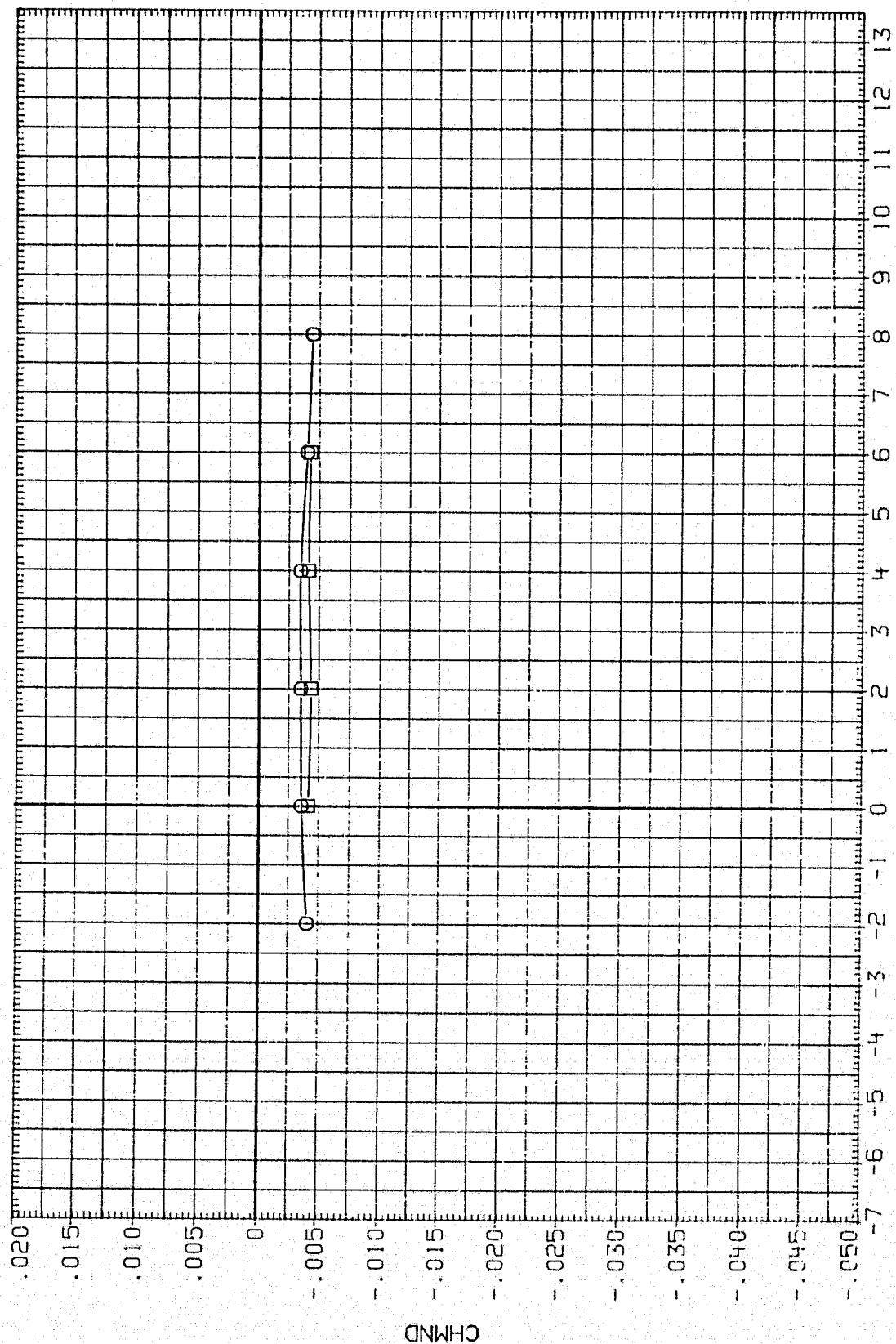


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(B)BETA = -4.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	0A163B B68C12C20M16N28M127L5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A163B B68C12C20M16N28M127L5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

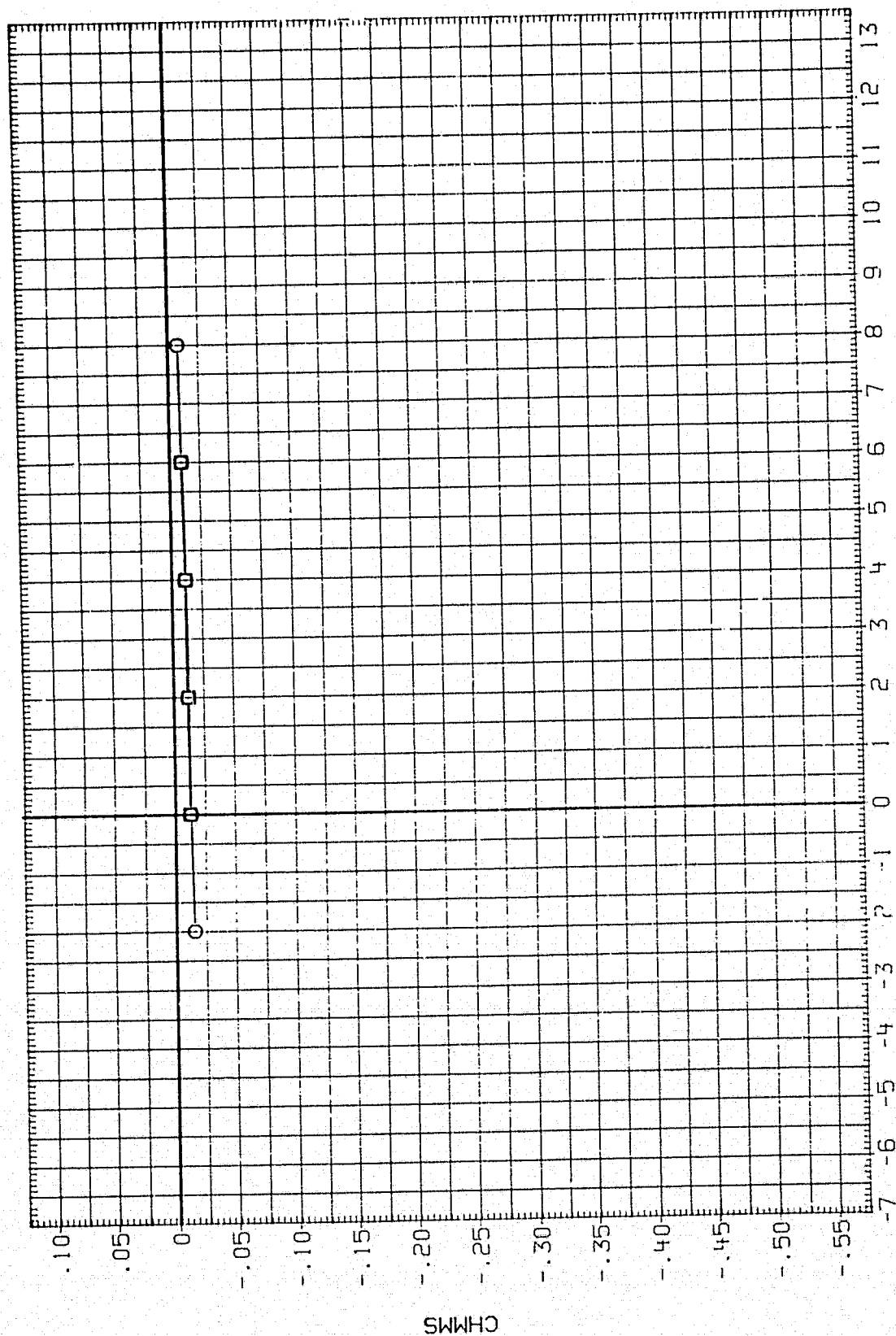


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(B)BETA = -4.00

DATA SET SYMBOL

AFPH01
AFPH05

CONF IGURATION

0A1638 868C12020M16N28W127E5F 10V8F5X911
0A1638 868C12020M16N28W127E5F 10V8F5X911

THETAN 5.000 5.000
PHI-N 30.800 30.800
THETML 5.000 5.000
PHI-ML 32.200 32.200
THETMR 5.000 5.000
PHI-MR 32.200 32.200
ELV-L 5.000 5.000
BOFLAP .000 .000

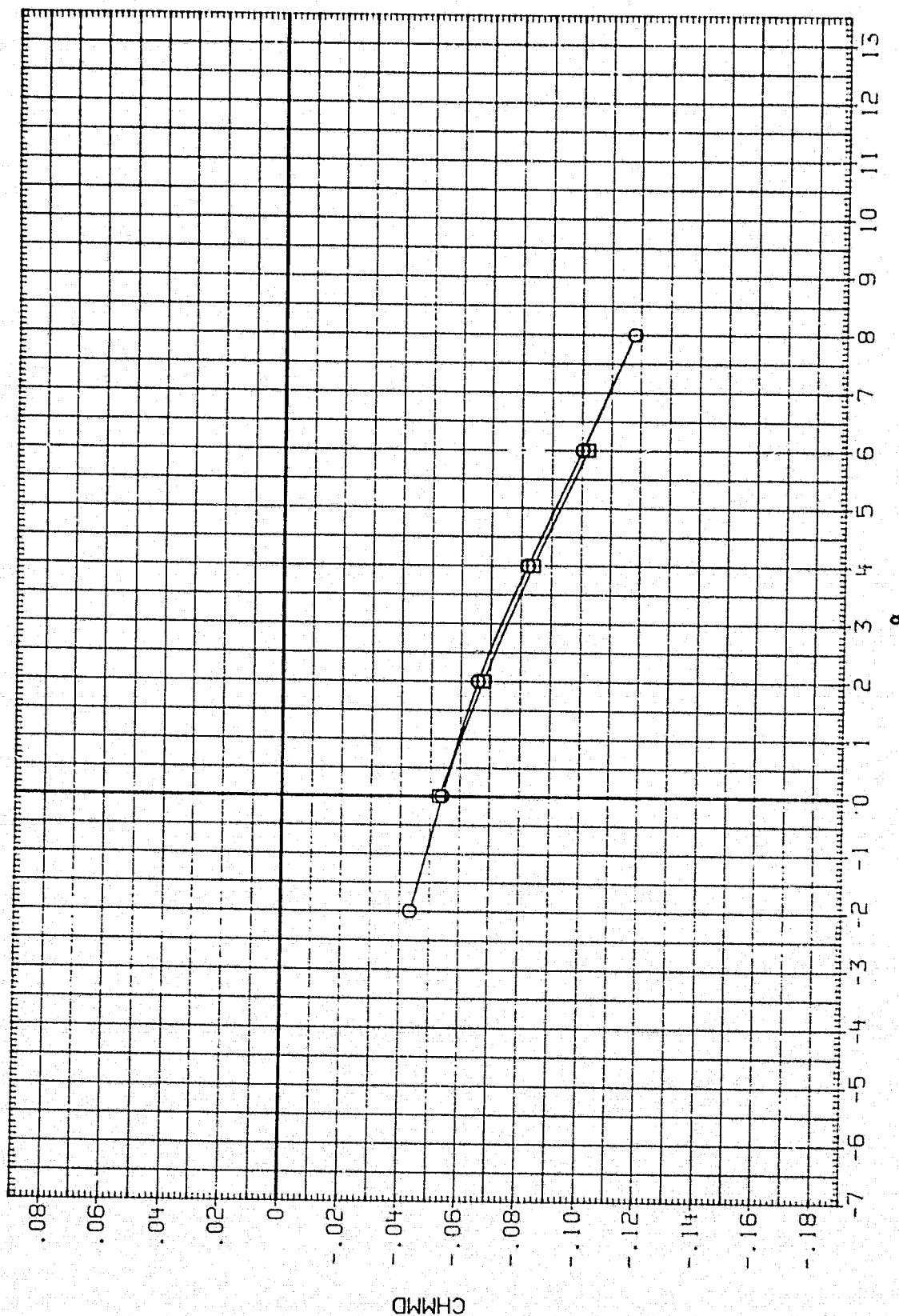


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(B) BETA = -4.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BCFLAP
AFPH01	0A163B B68C12G20M16128M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPH05	0A163B B68C12G20M16128M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

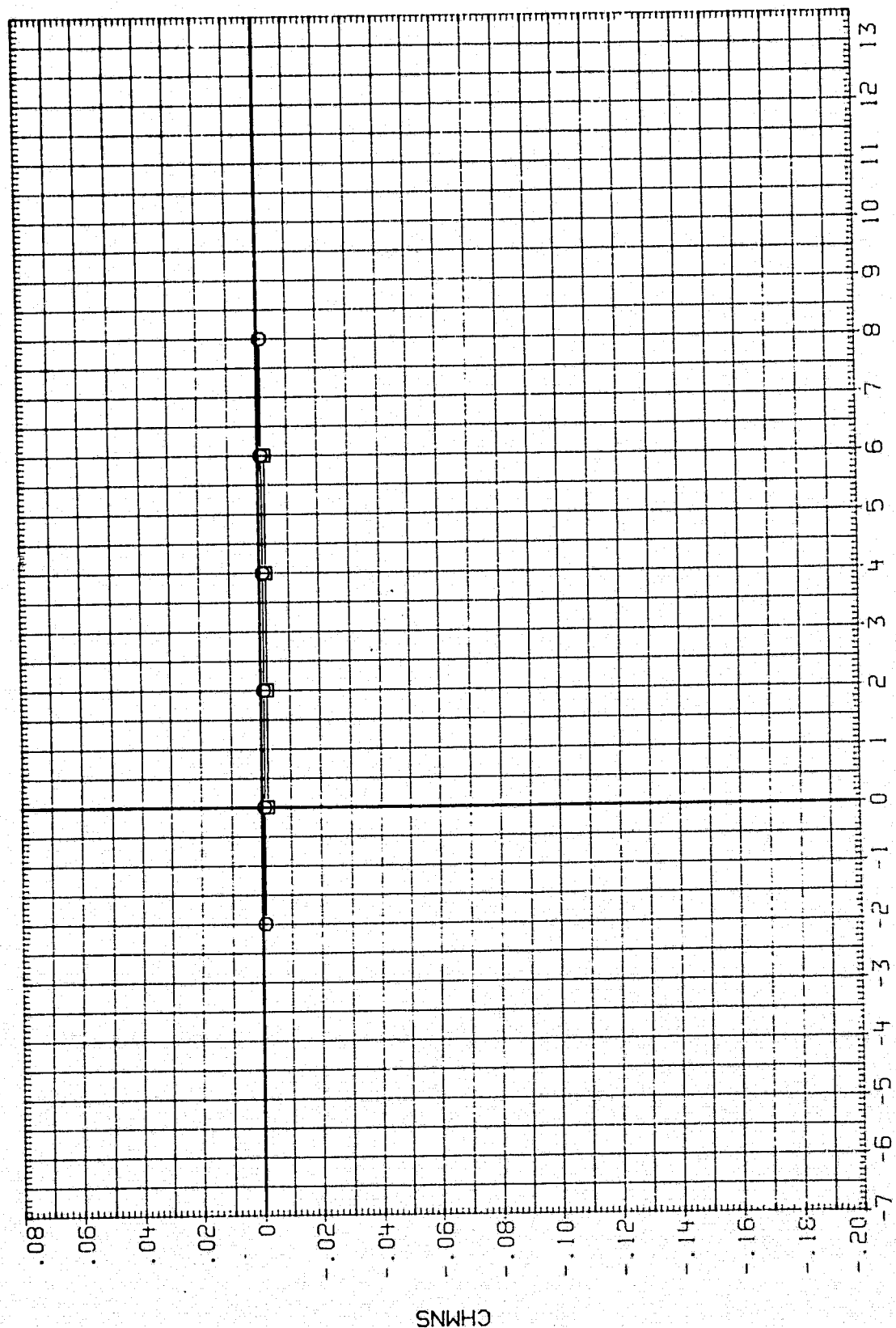


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(C)BETA = -3.00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI -N	THE TML	THE THR	PHI -ML	PHI -MR	ELV -L	BDF LAP
AFPH01	0A163B B6BC12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A153B B6BC12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

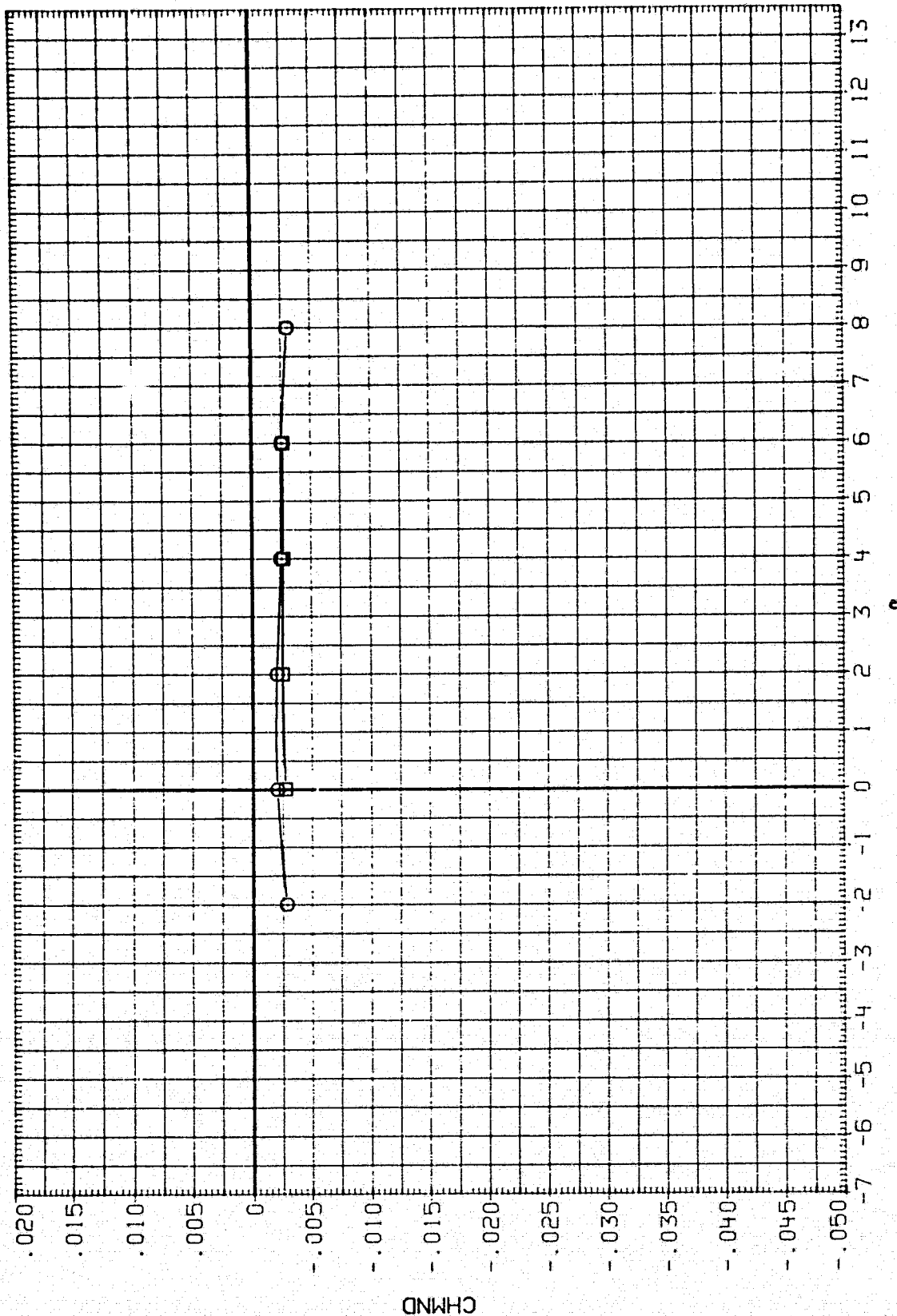


FIG 6 EFFECT OF ELEON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(C) BETA = -3.00

DATA SET SYMBOL
 AFPH01
 AFPH05

CONFIGURATION

0A163B B68C12G20M16A28W127E5F 10V8P5X911
 0A163B B68C12G20M16A28W127E5F 10V8P5X911

THETAN PHI-N THETML PHI-MR ELV-L BDFLAP
 5.000 30.800 5.000 32.200 .000 .000
 5.000 30.800 5.000 32.200 5.000 .000

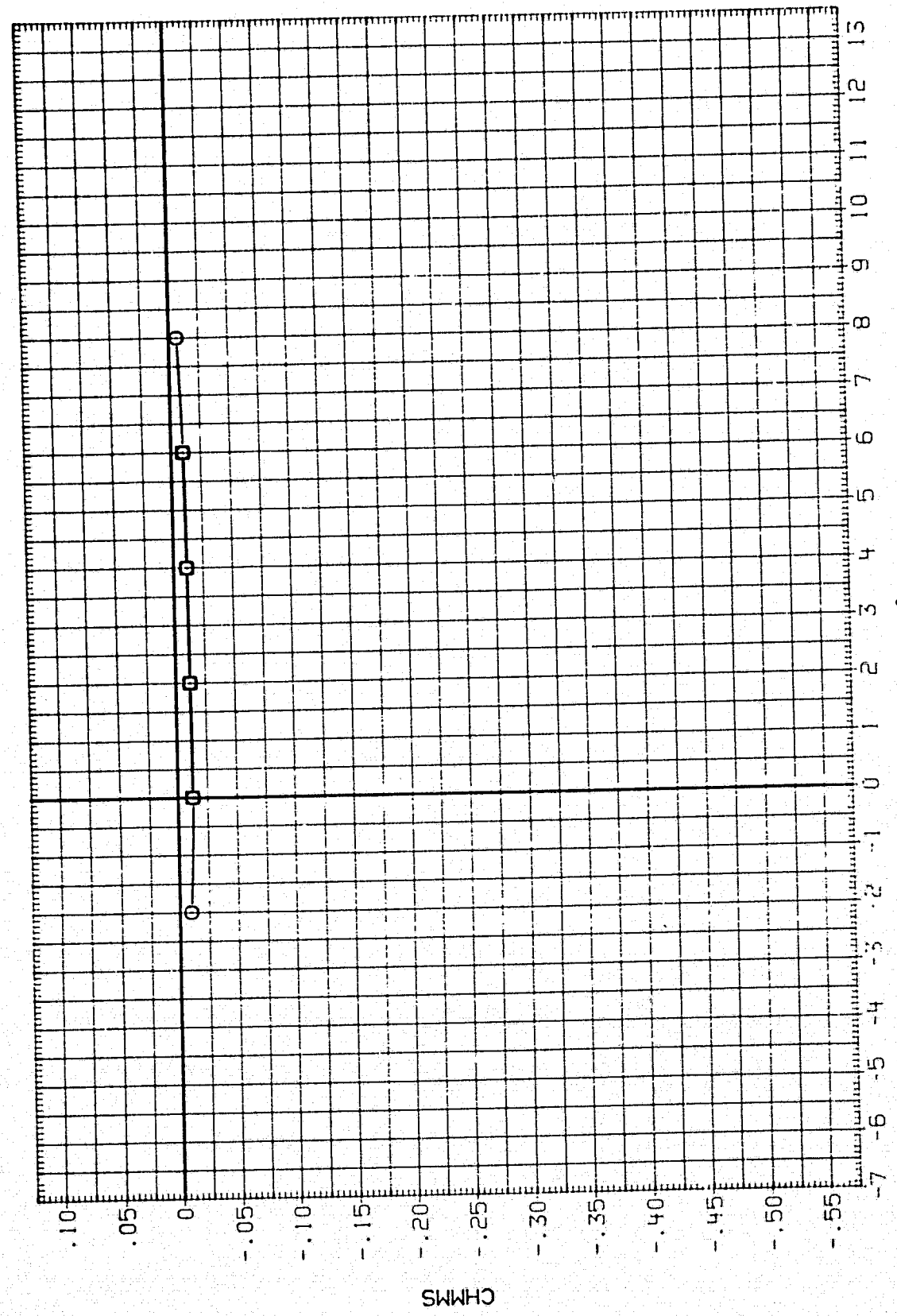


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(C)BETA = -3.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOXFLAP
AFPH01	0A163B BB8C12G20M16A28W127E5F 10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A163B BB8C12G20M16A28W127E5F 10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

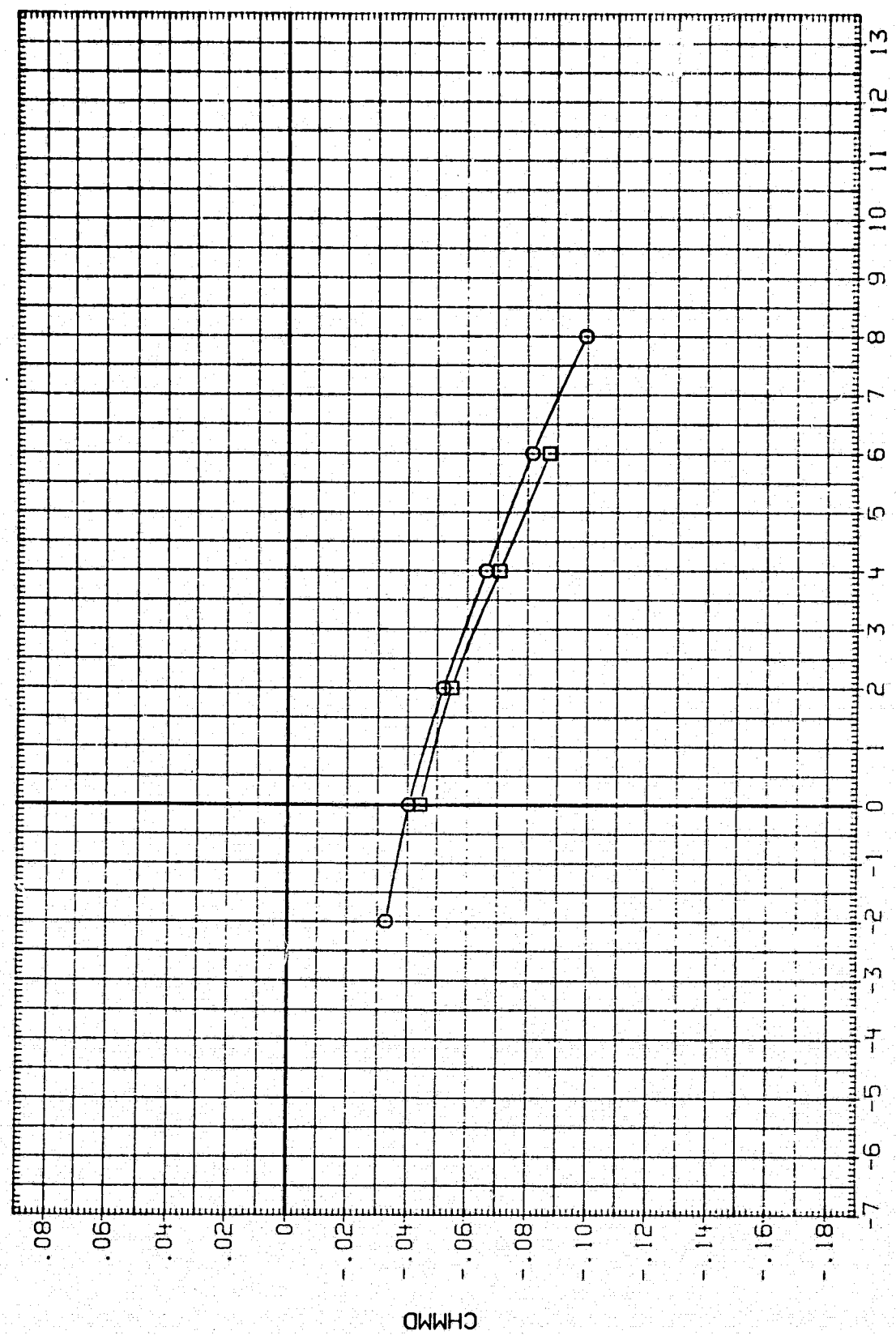


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(C) BETA = -3.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	0A163B B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPH05	0A163B B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

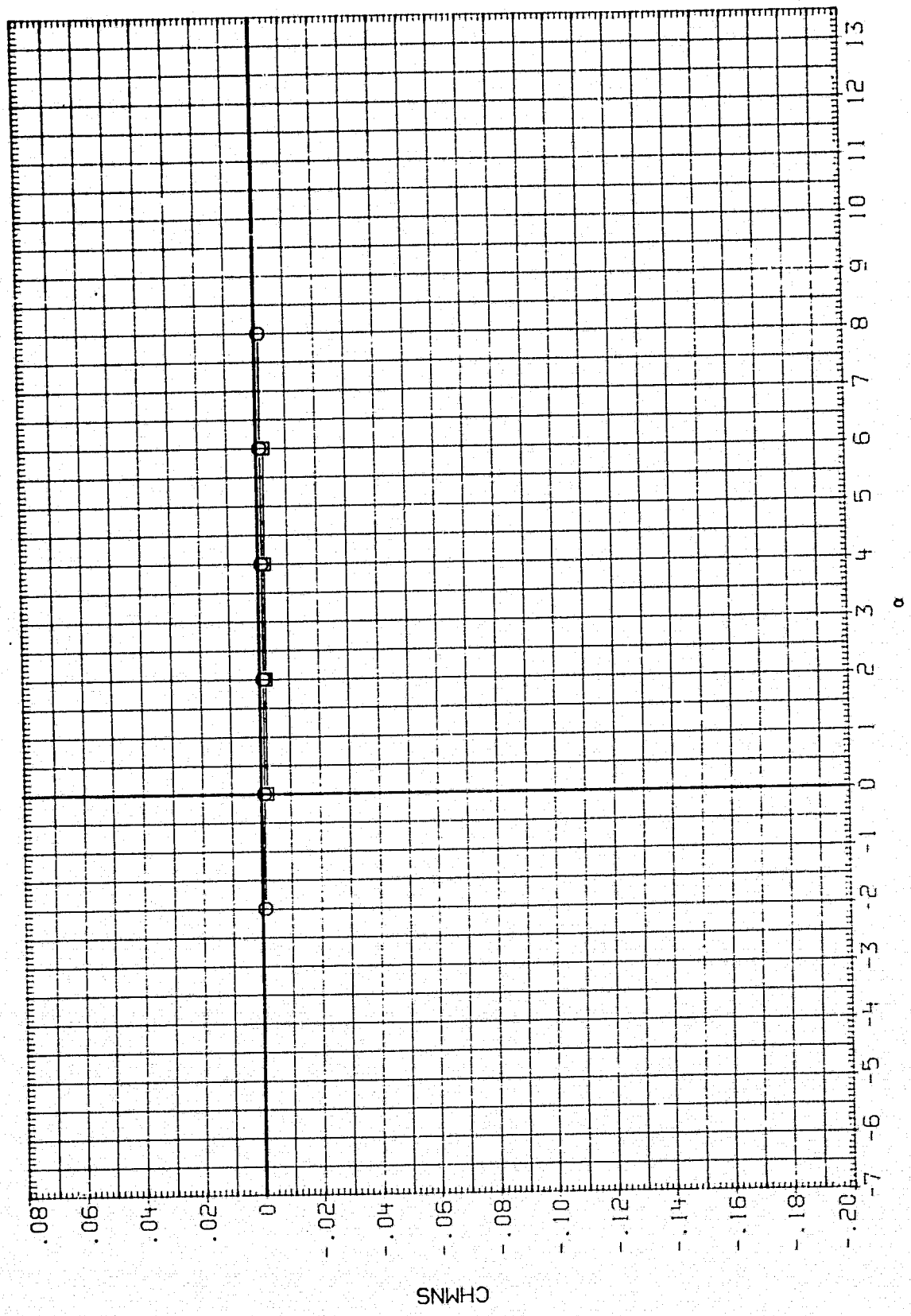


FIG 6 EFFECT OF EVELON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(D)BETA = -2.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THEML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0	0A1638	868C12020M16N28W127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	□	0A1638	868C12020M16N28W127E5F10V85X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

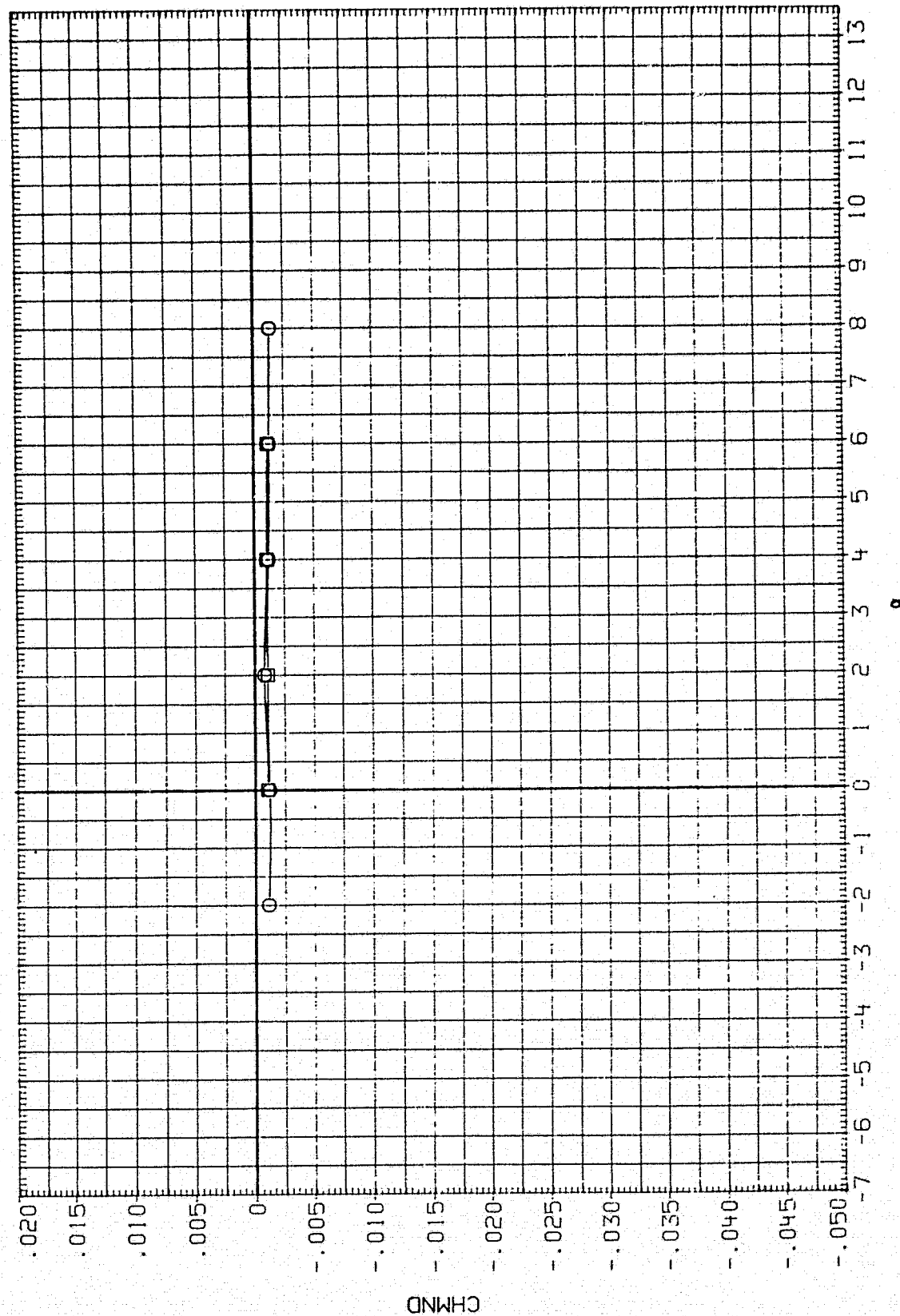


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(D)BETA = -2.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THEIML	THETMR	PHI-ML	PHI-MR	ELV-L	BDELAP
AFPH01	0A163B B66C12020M16428W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPH05	0A163B B66C12020M16428W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	

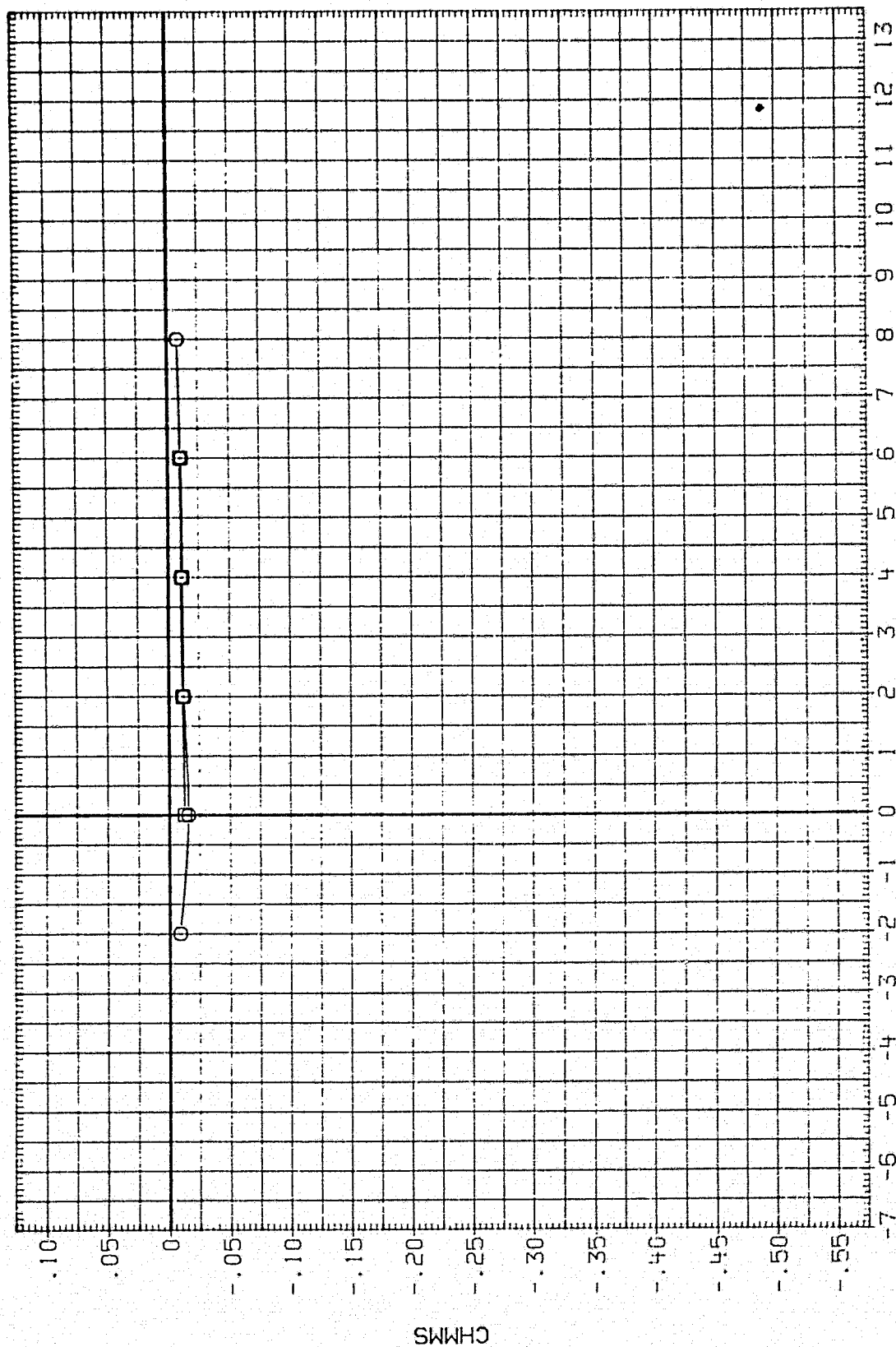


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(D) BETA = -2.00

DATA SET SYMBOL

AFPH01
AFPH05

CONFIGURATION

 0A153B B6BC12G20M16N28M127E5F10V8R5X911
 0A153B B6BC12G20M16N28M127E5F10V8R5X911

THETAN	PHI-N	THETML	THETHR	PHI-ML	PHI-MR	ELV-L	BDFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

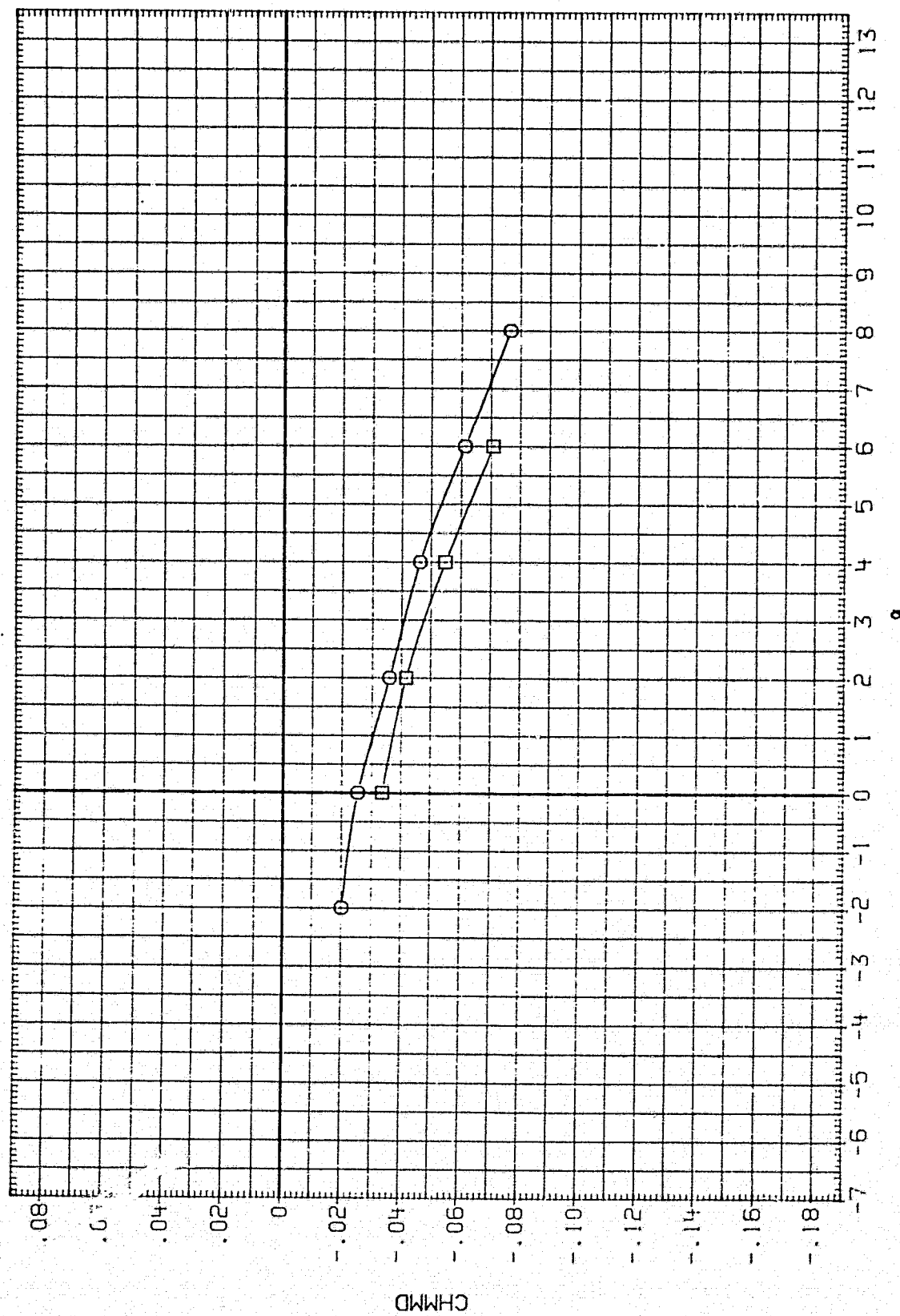


FIG 6 EFFECT OF EELON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(D) BETA = -2.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	0A163B B68C12G20M16N28M127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A163B B68C12G20M16N28M127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

DATA SET SYMBOL
AFPH01
AFPH05

CONFIGURATION

0A163B B68C12G20M16N28M127L5F10V8R5X911
0A163B B68C12G20M16N28M127L5F10V8R5X911

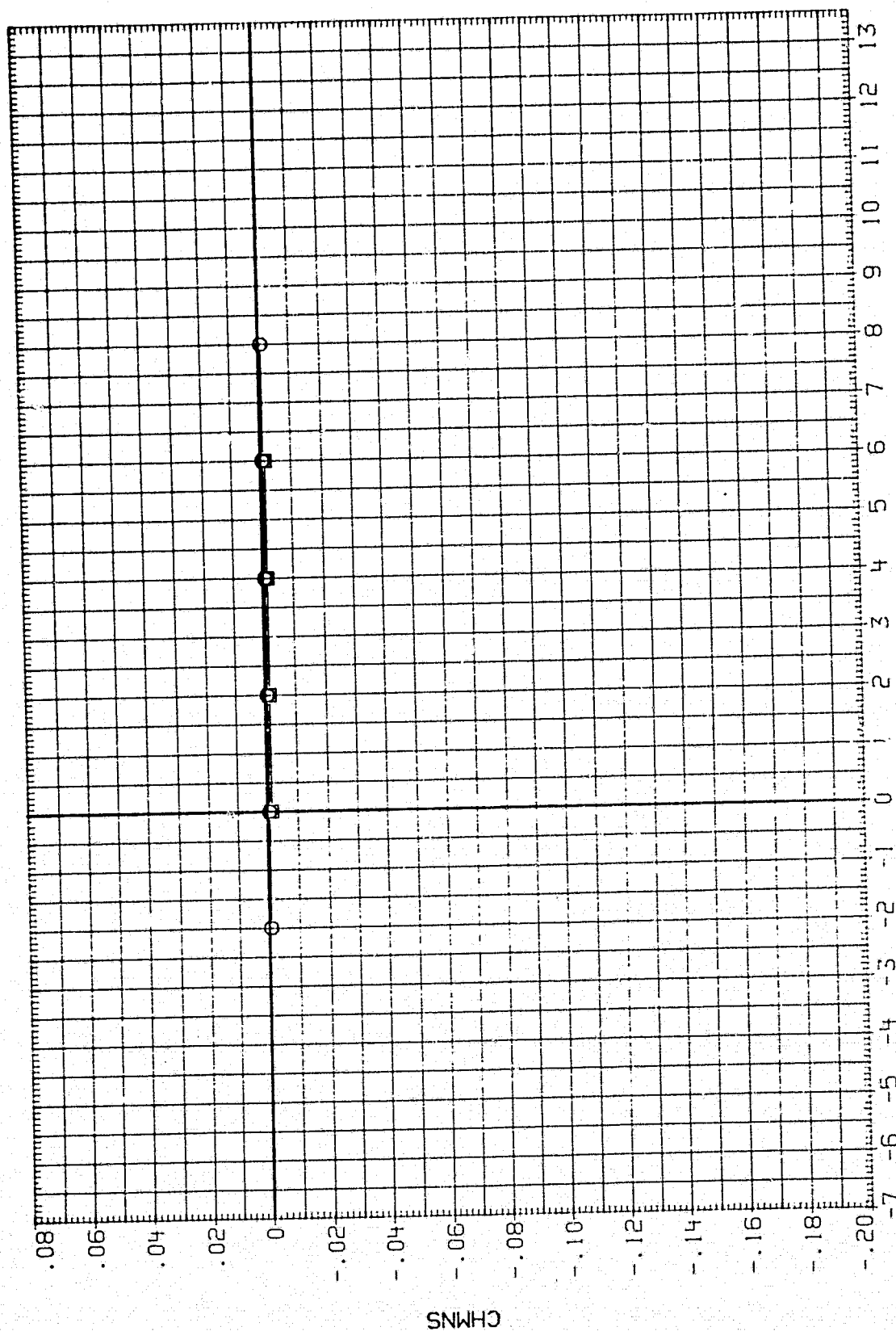


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(E)BETA = -1.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI -N	THETML	THETMR	PHI -ML	PHI -MR	ELV -L	BDFLAP
AFPH01	0A1638 B68C12G20M16A28M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A1638 B68C12G20M16A28M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

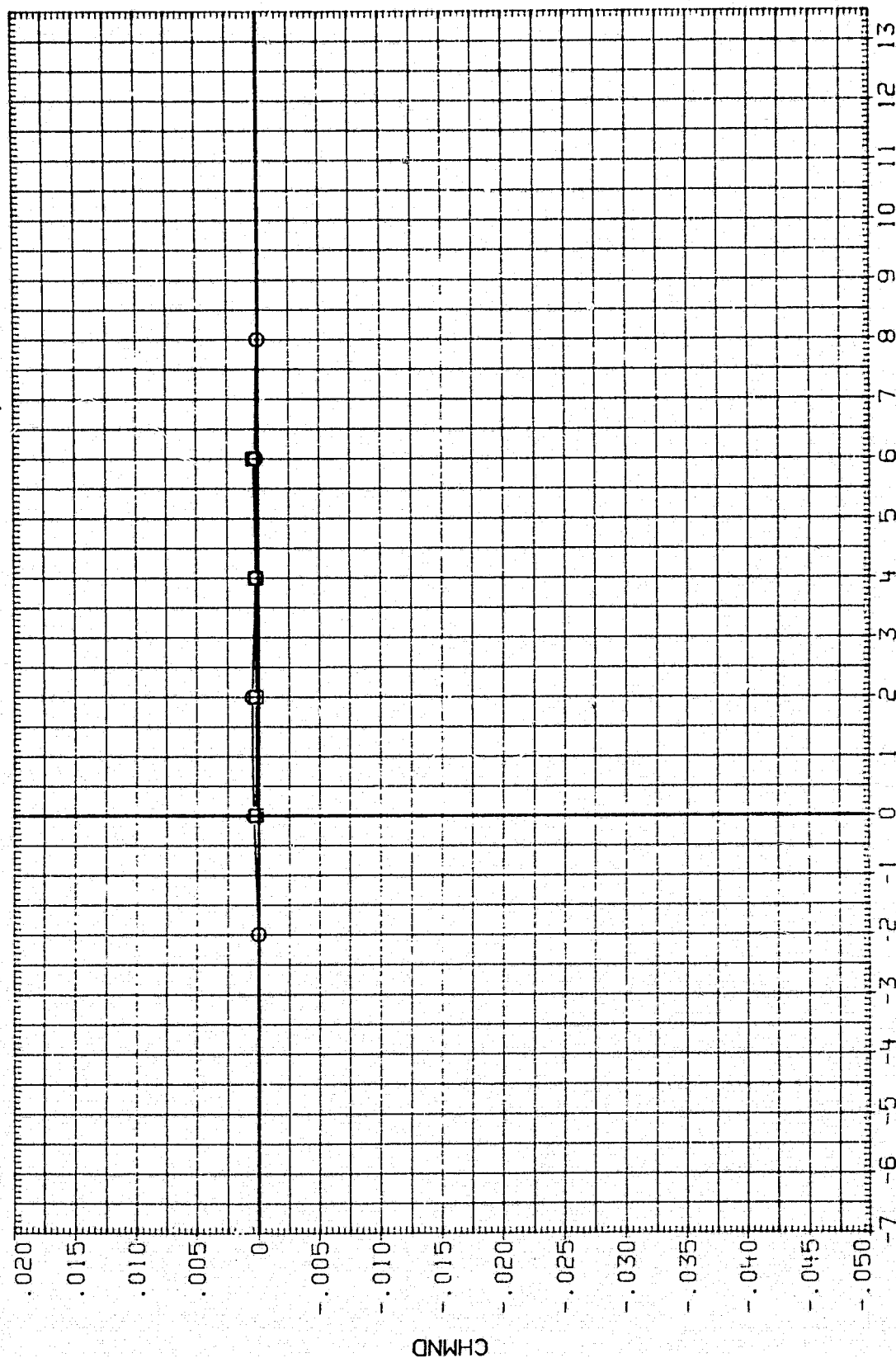


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(E)BETA = -1.00

DATA SET SYMBOL		CONF IGURATION		THETAN	PHI-N	THEIML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	○	OA163B	B68C12G20M16128M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	□	OA163B	B68C12G20M16128M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

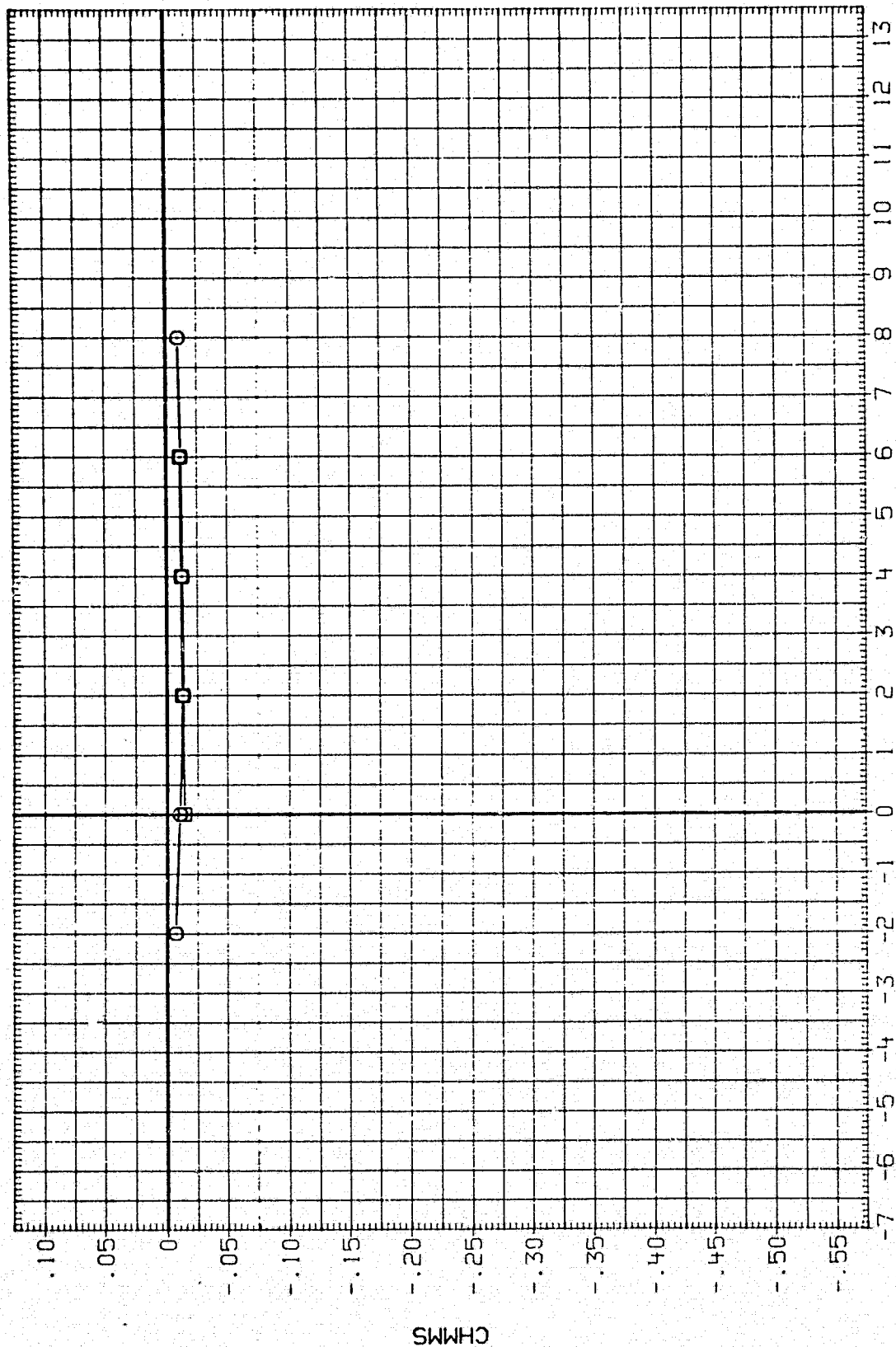


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(E) BETA = -1.00

DATA SET SYMBOL
AFPH01
AFPH05

CONFIGURATION
0A163B B68C12G20M16N28W127E5F 10V8P5X911
0A163B B68C12G20M16N28W127E5F 10V8P5X911

THETAN PHI-N THETML THETMR PHI-PL PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000

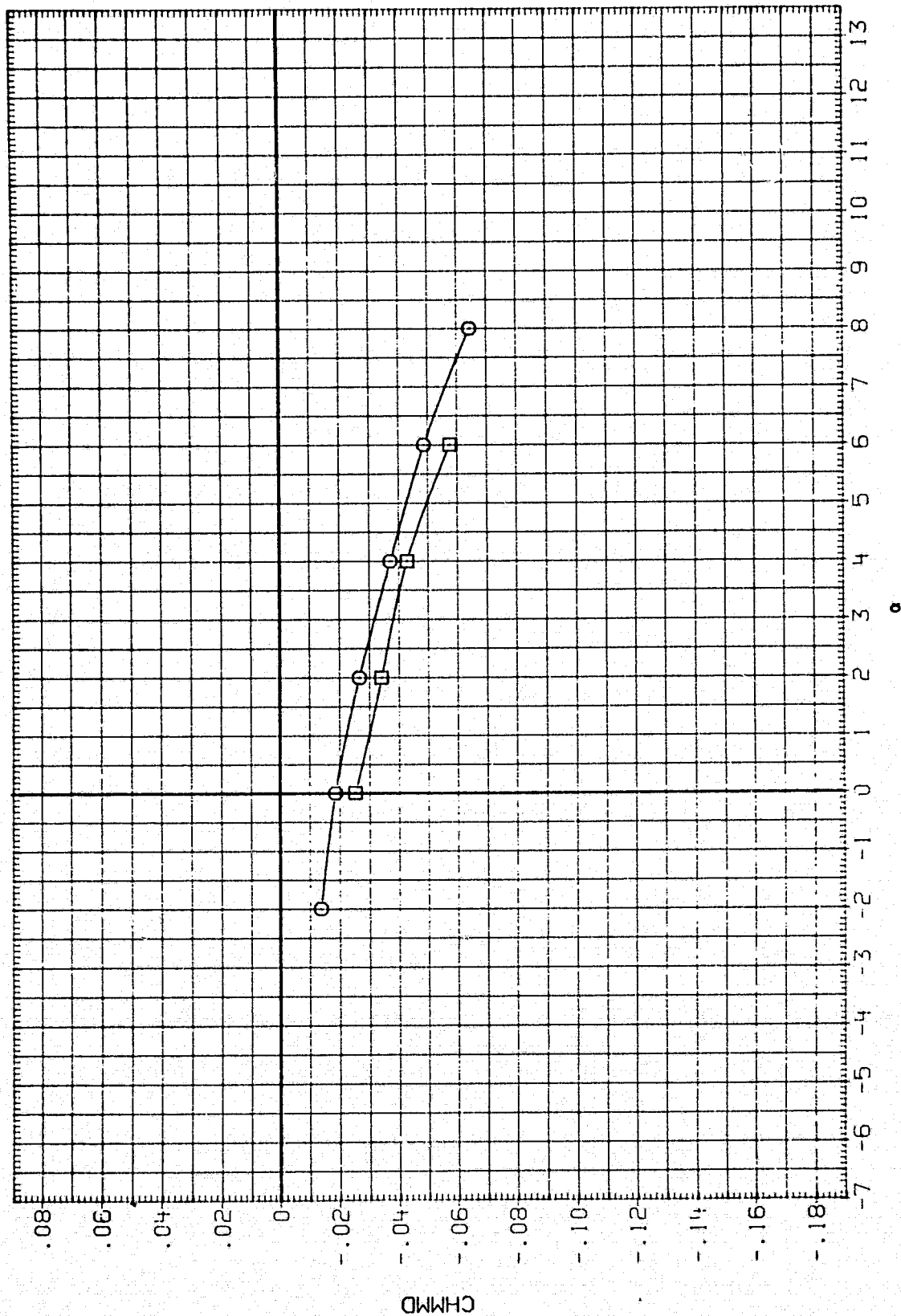


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(E)BETA = -1.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	OA1638 868C12020M16N28W127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	OA1638 868C12020M16N28W127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

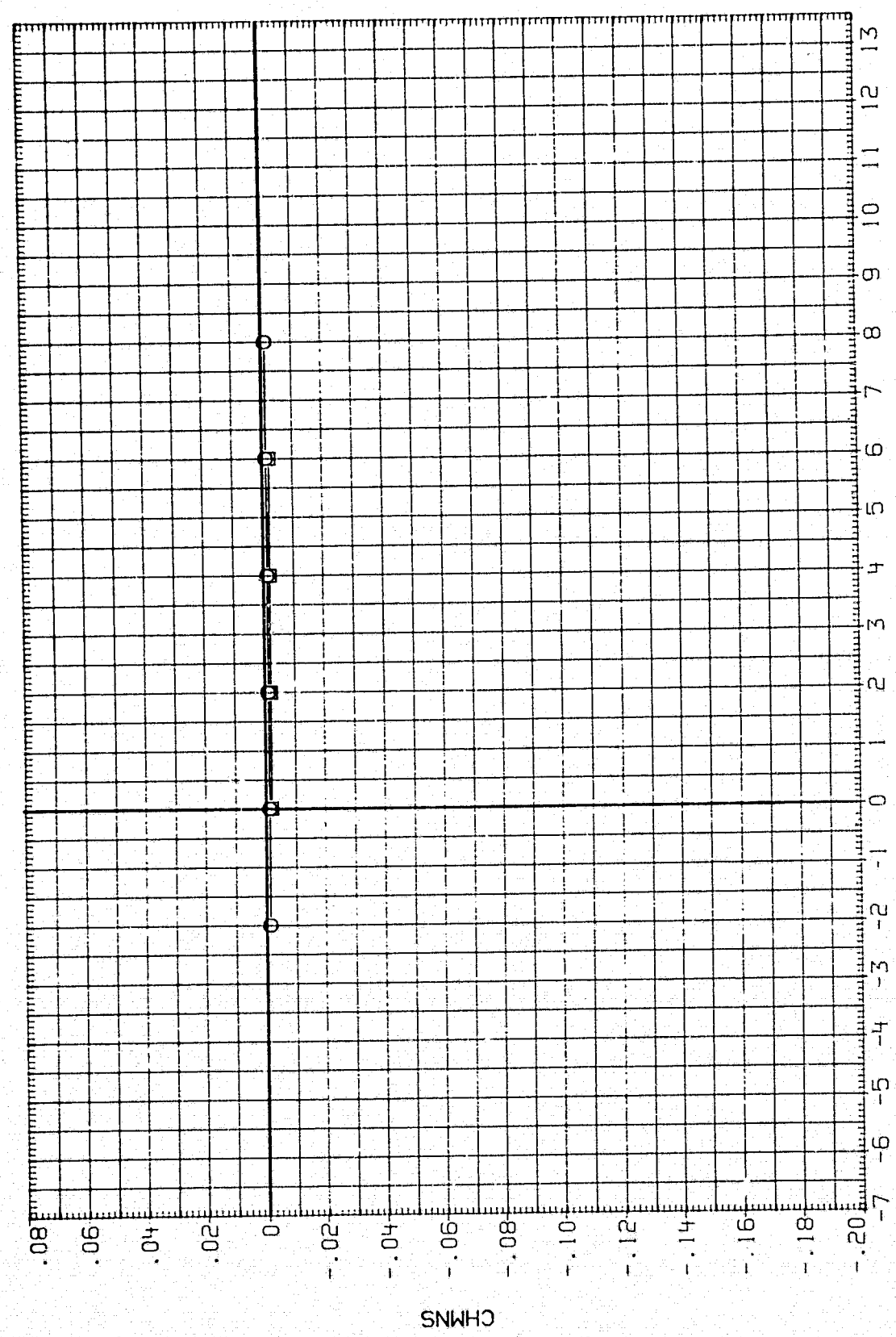


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(F)BETA = .00

DATA SET SYMBOL		CONFIGURATION		PHI-N		THETML		THETMR		PHI-ML		PHI-MR		ELV-L		BOXLAP	
AFPH01	□	0A163B	B68C12G20M16N28W127E5F10V8R5X9I1	30.800	5.000	5.000	5.000	5.000	5.000	32.200	32.200	32.200	32.200	5.000	.000	.000	
AFPH05	□	0A163B	B68C12G20M16N28W127E5F10V8R5X9I1	30.800	5.000	5.000	5.000	5.000	5.000	32.200	32.200	32.200	32.200	5.000	.000	.000	

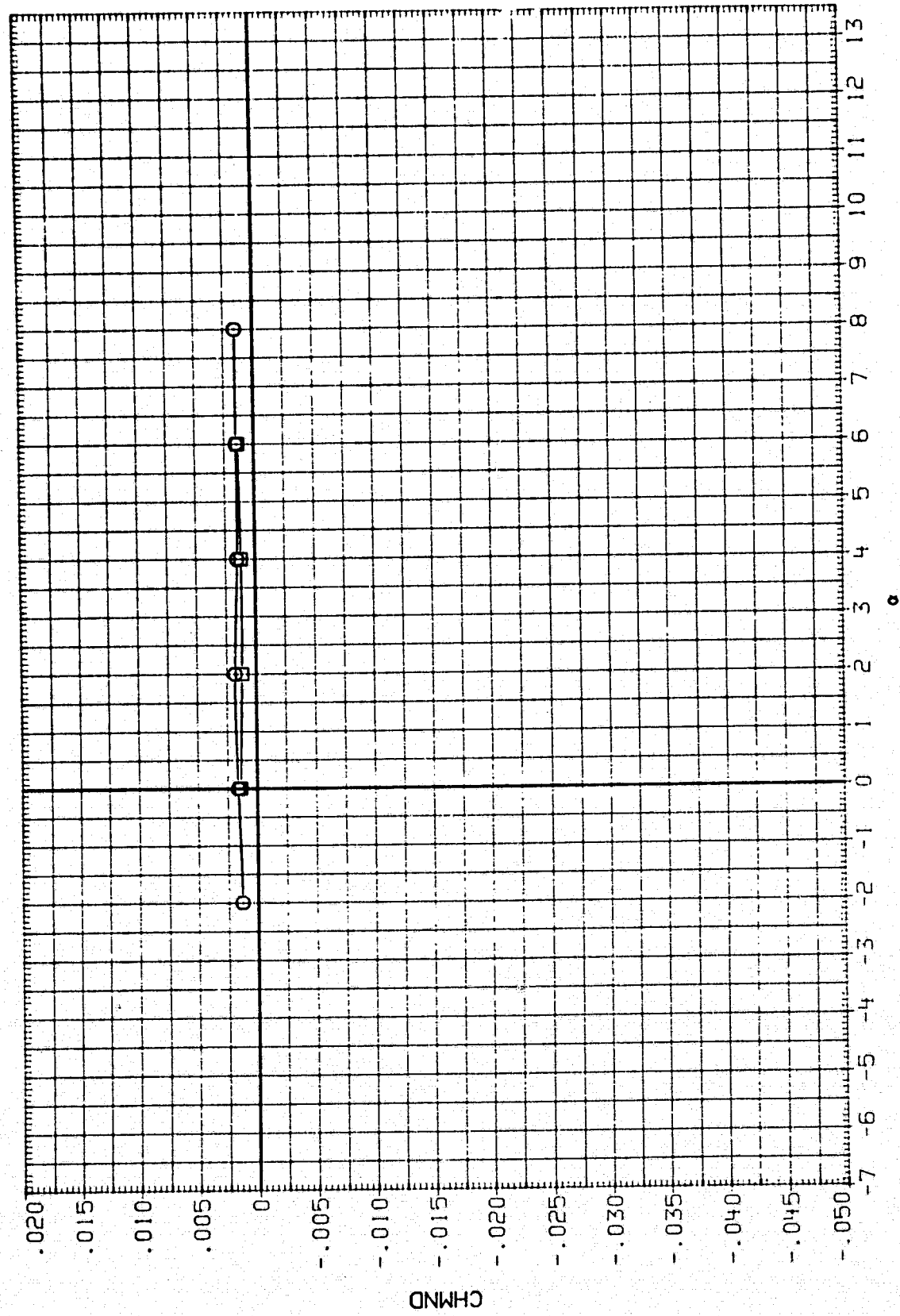


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(F) BETA = .00 PAGE 220

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	0A163B B68C12G20M16A28M127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A163B B68C12G20M16A28M127L5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

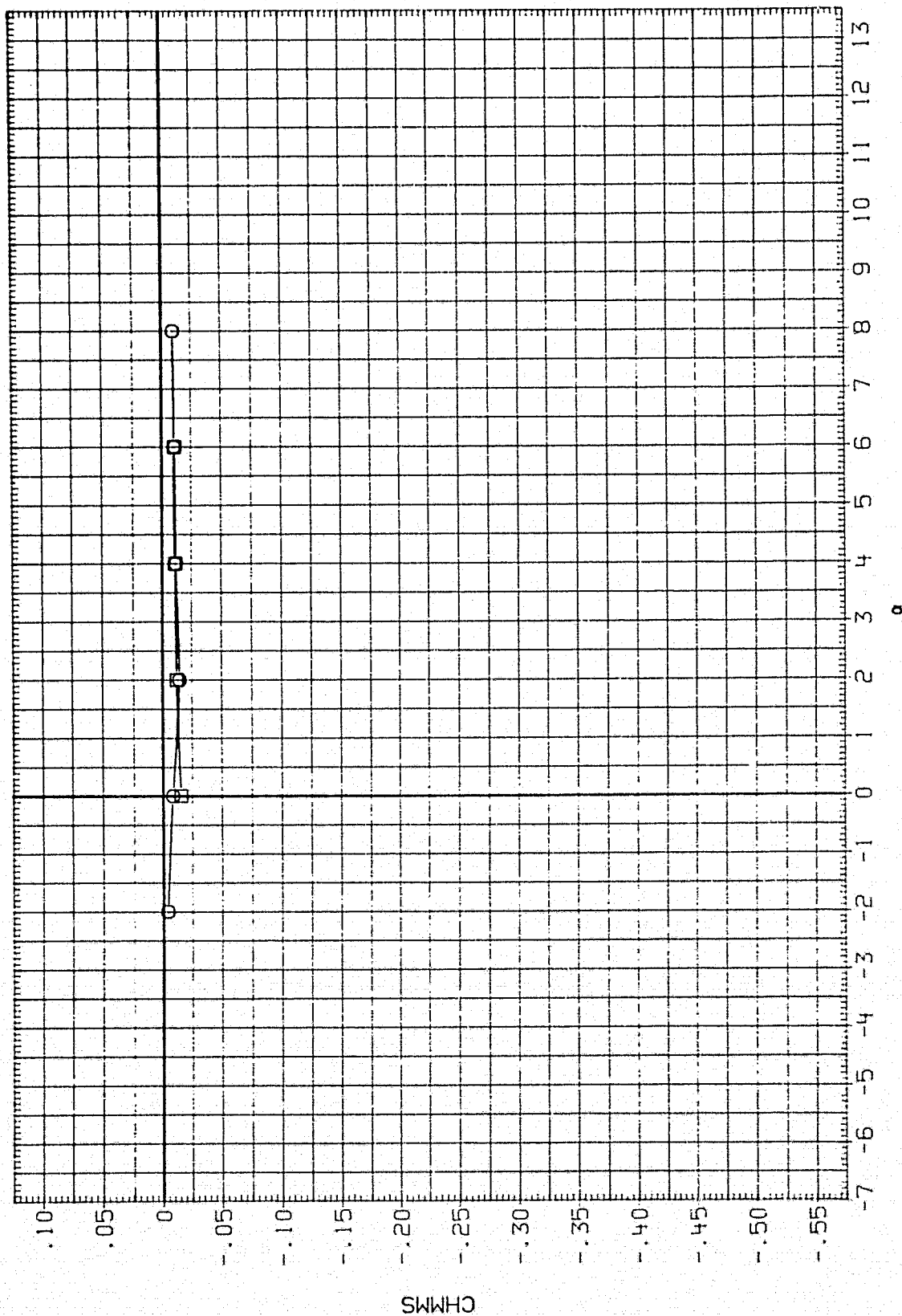


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV -L	BDF LAP
AFPH01	OA1638 B68C12020M16N26N127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	OA1639 B68C12020M16N26N127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000

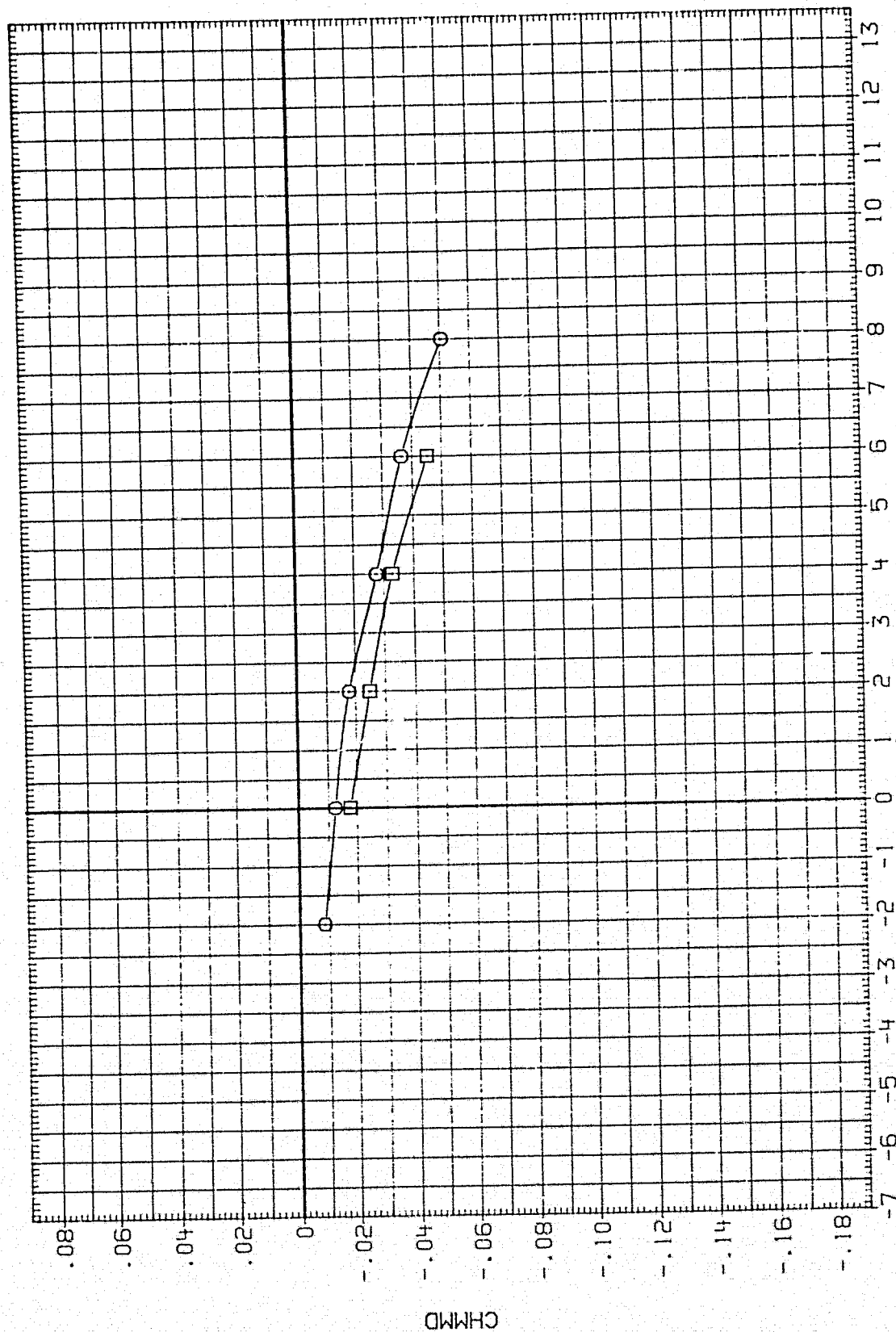


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(F)BETA = .00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
ATPH01	○	0A163B	B68C1262CM151284127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
ATPH05	□	0A163B	B68C12620M161284127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

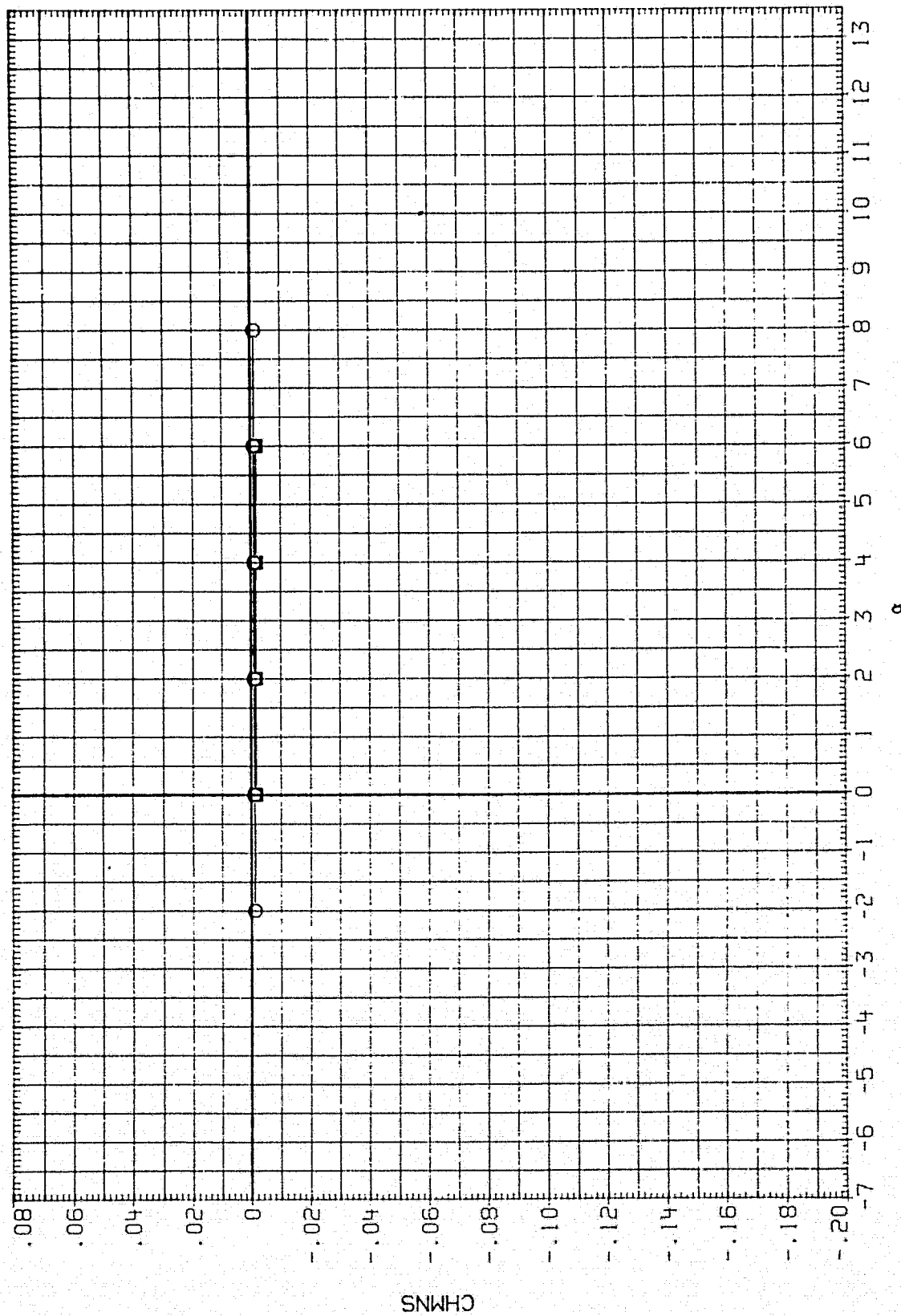


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(G)BETA = 1.00

DATA SET SYMBOL

AFPH01
AFPH05

CONFIGURATION

0A163B B68C12020M16N28K127E5F 10V8R5X911
0A163B B68C12020M16N28K127E5F 10V8R5X911

THETAN 5.000 5.000
PHI-N 30.800 30.800
THETML 5.000 5.000
THEIMR 5.000 5.000
PHI-ML 32.200 32.200
PHI-MR 32.200 32.200
ELV-L .000 .000
BDFLAP .000 .000

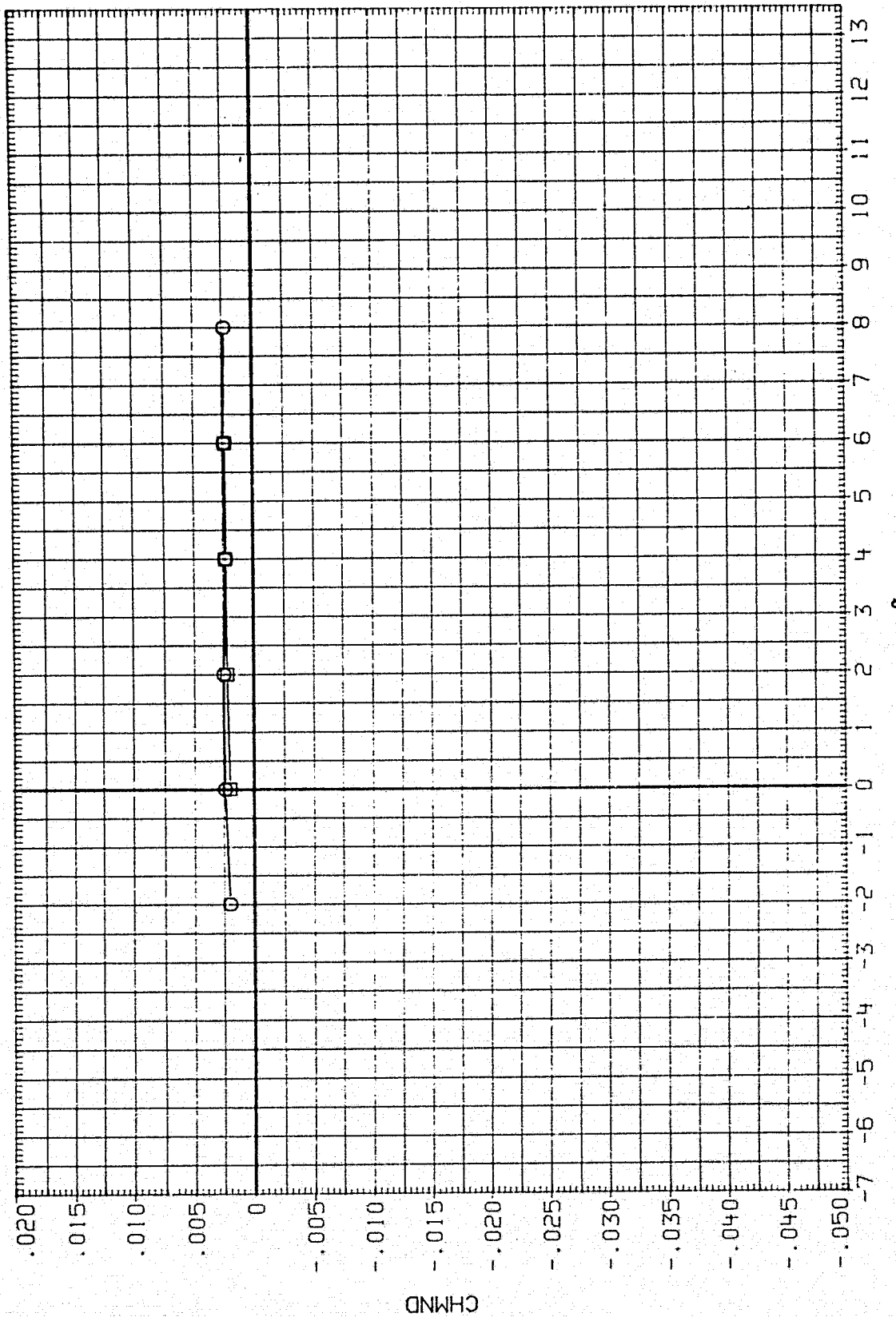


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(G)BETA = 1.00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	EL V - L	BOX LAP
AFPH01	0A1638 B66C12G20M16N28W127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A1638 B66C12G20M16N28W127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

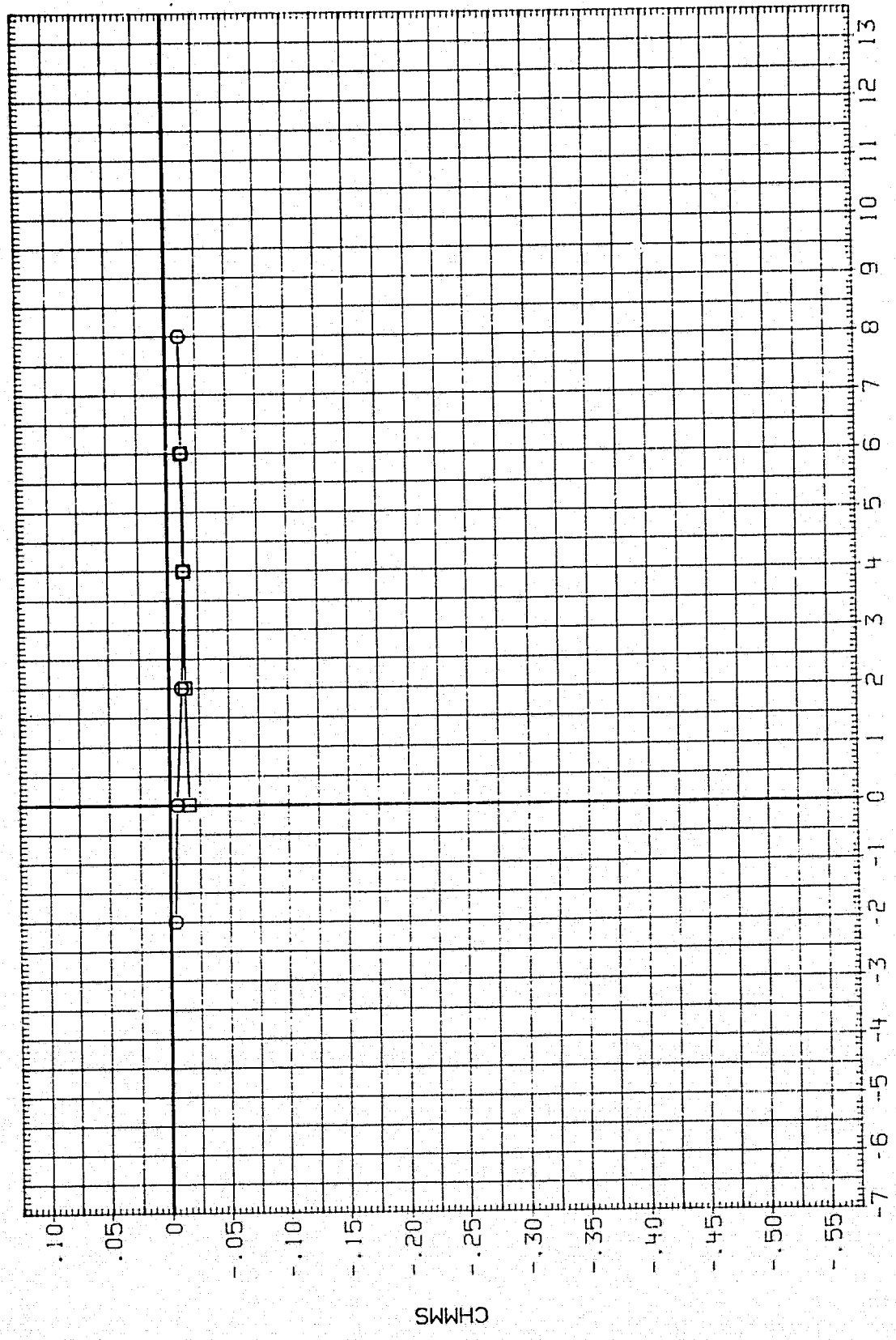


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(G)BETA = 1.00

DATA SET SYMBOL
AFPH01
AFPH05

CONF IGURATION
OA1638 B68C12G20M16N28M127E5F10V8P5X911
OA1639 B68C12G20M16N28M127E5F10V8P5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000

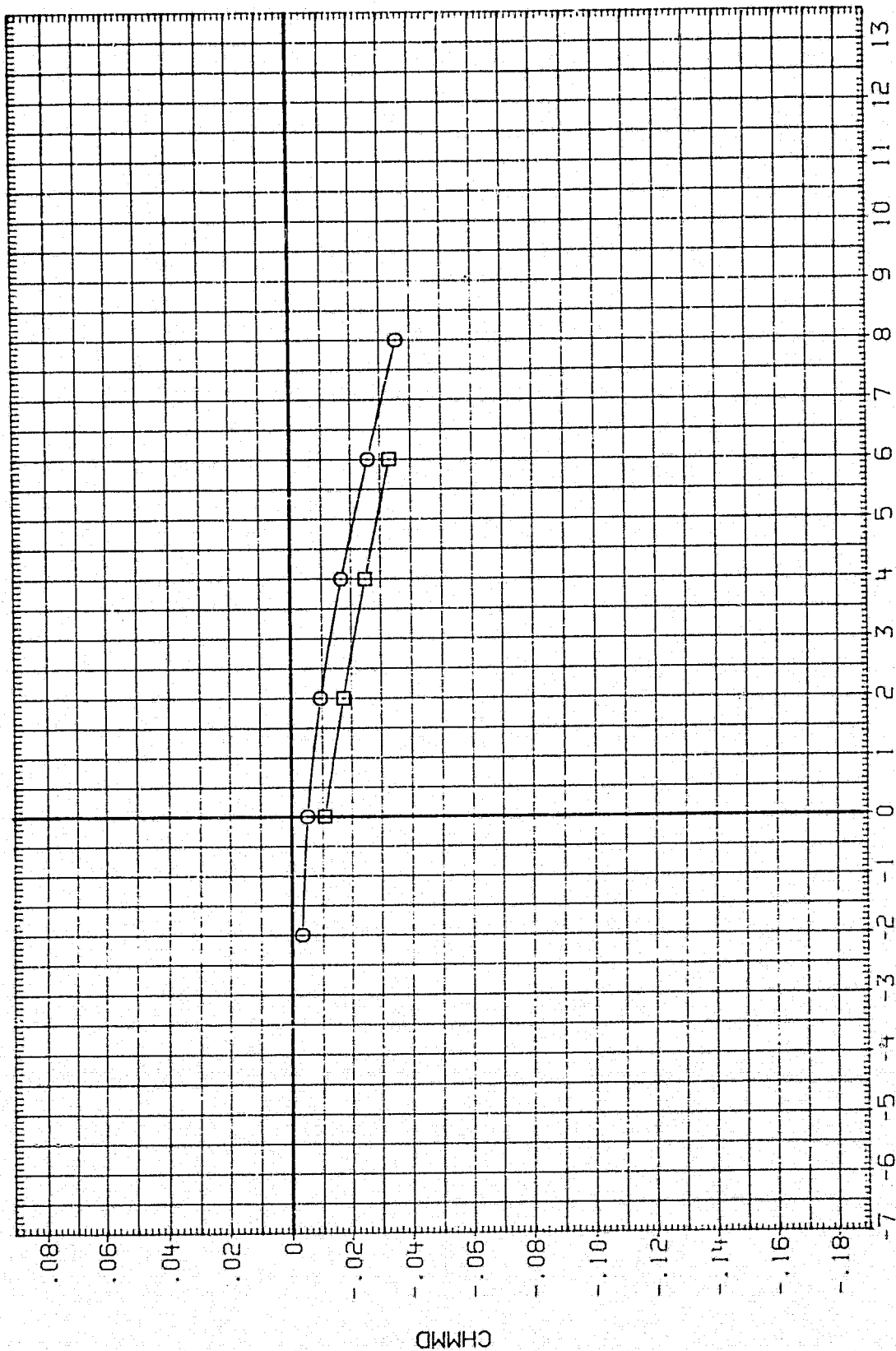


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(G)BETA = 1.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BOFLAP
AFPH01	0A1638 B88C12G20M16N28W127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPH05	0A1638 B88C12G20M16N28W127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

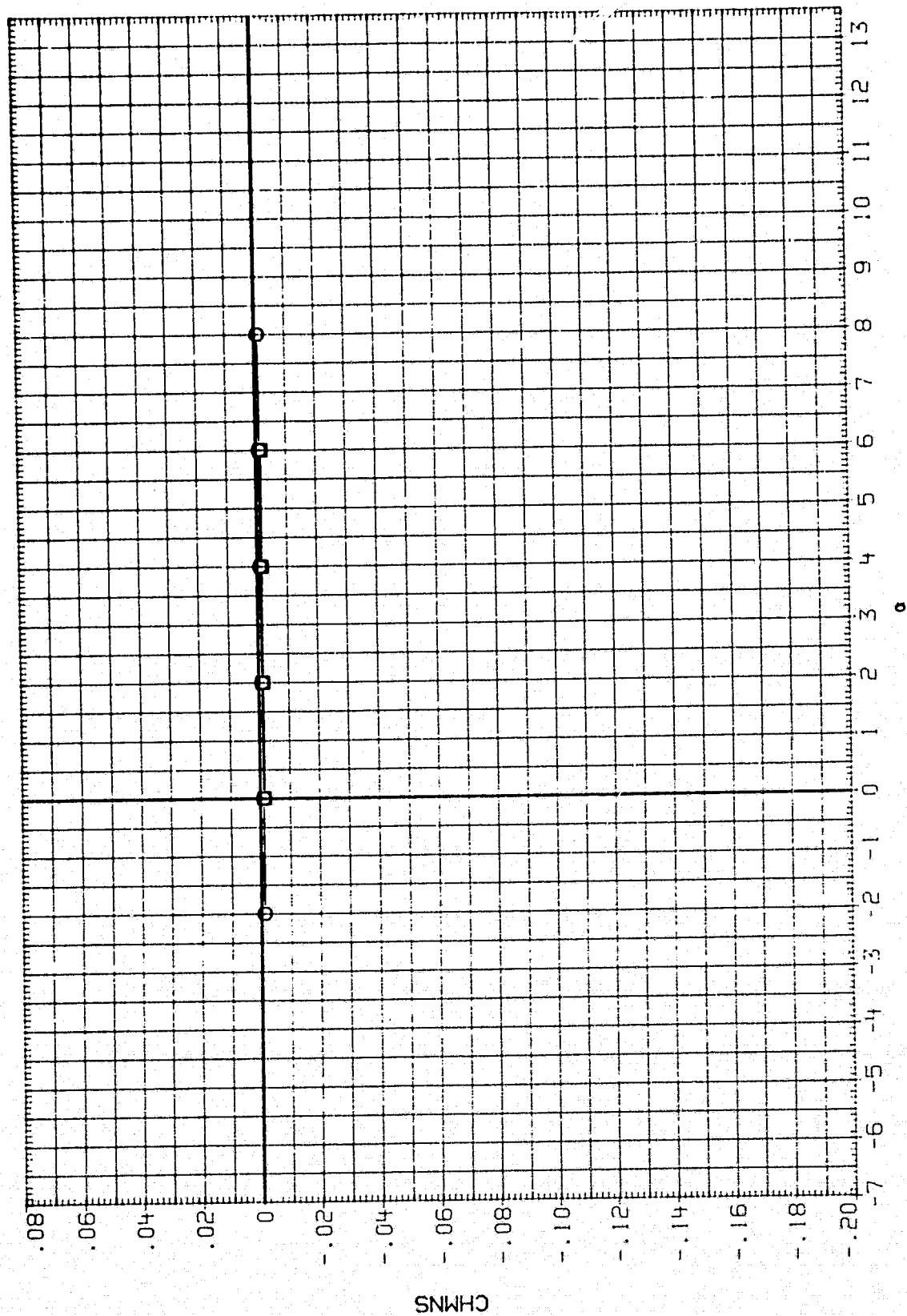


FIG 6 EFFECT OF ELEON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(H)BETA = 2.00

DATA SET SYMBOL

AFPH01
AFPH05

0A163B 0A163B
0A163B 0A163B

CONFIGURATION

B68C12G20H16A28W127E5F10V8R5X911
B68C12G20H16A28W127E5F10V8R5X911

THETAN 5.000 5.000
PHI-N 30.800 30.800
THETML 5.000 5.000
THETMR 5.000 5.000
PHI-ML 32.200 32.200
PHI-MR 32.200 32.200
ELV-L 5.000 5.000
BDFLAP .000 .000

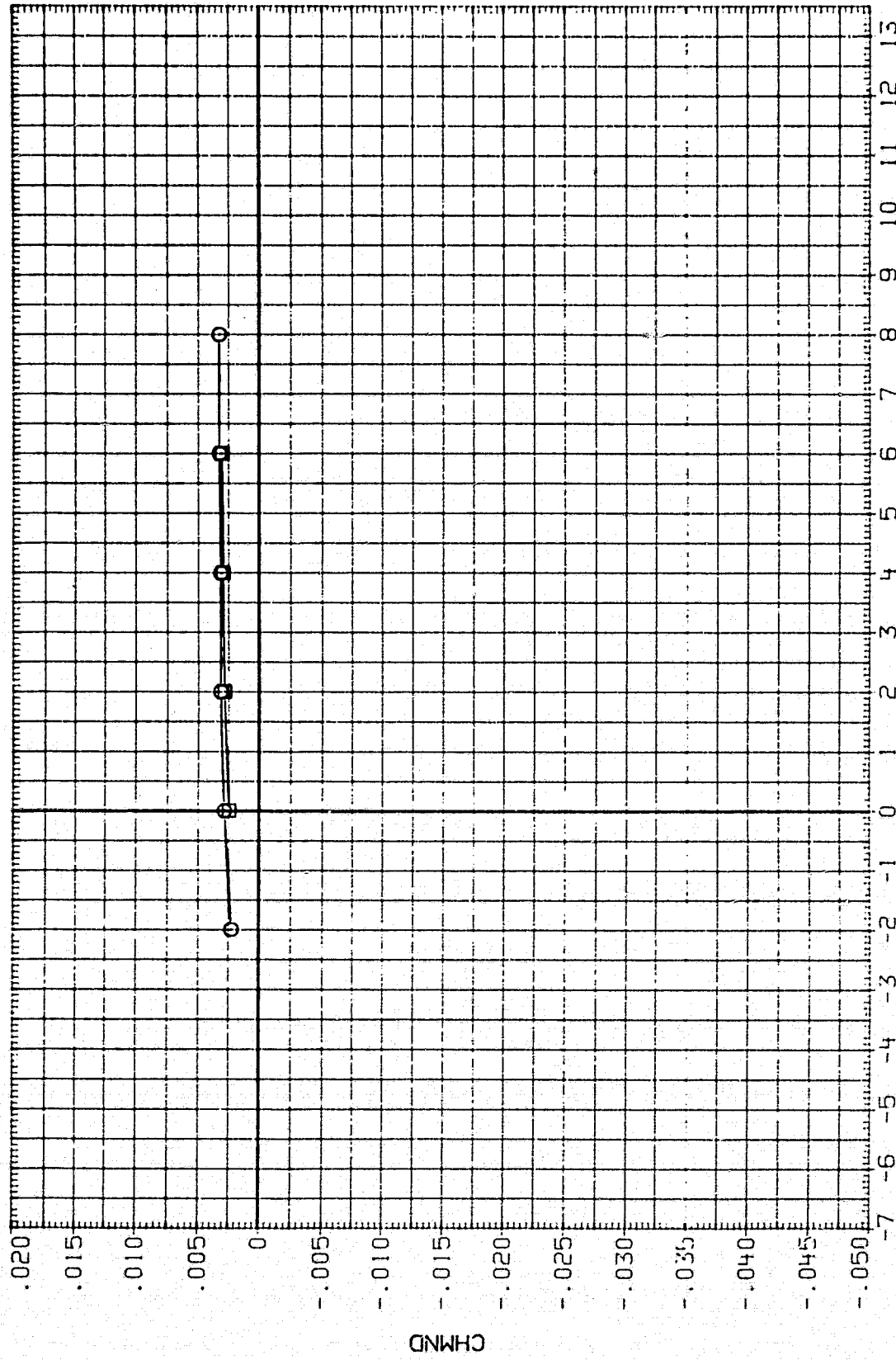


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(H)BETA = 2.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
AFPH01	0A163B 868C12G20M16128H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A163B 868C12G20M16128H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000

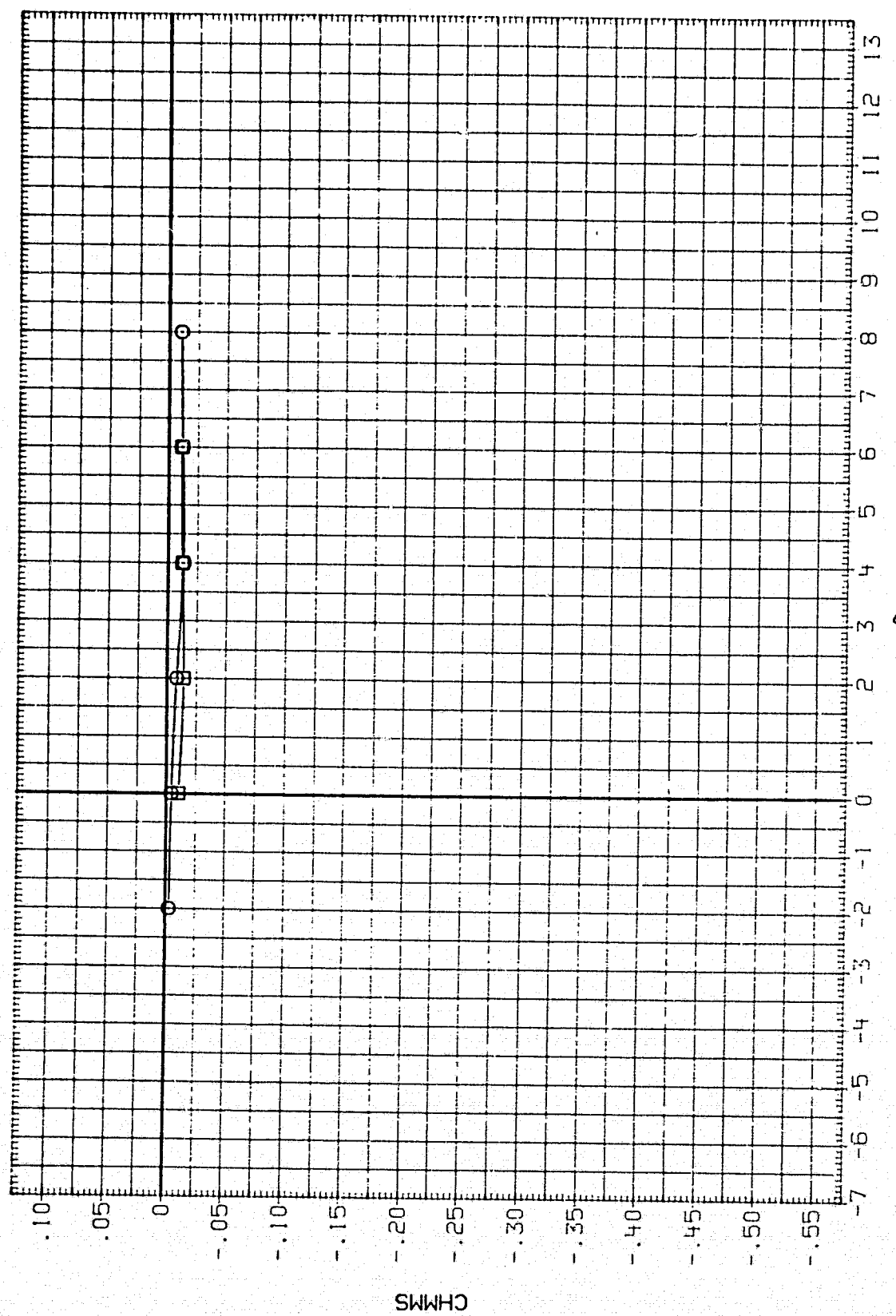


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(H) BETA = 2.00

DATA SET SYMBOL

AFPH01
AFPH05

□

CONFIGURATION

OA163B B68C12G20M16N28M127E5F 10V8R5X911
OA163B B68C12G20M16N28M127E5F 10V8R5X911

THETAN PHI-N THETML THEIMR PHI-ML PHI-MR ELV-L BOFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000

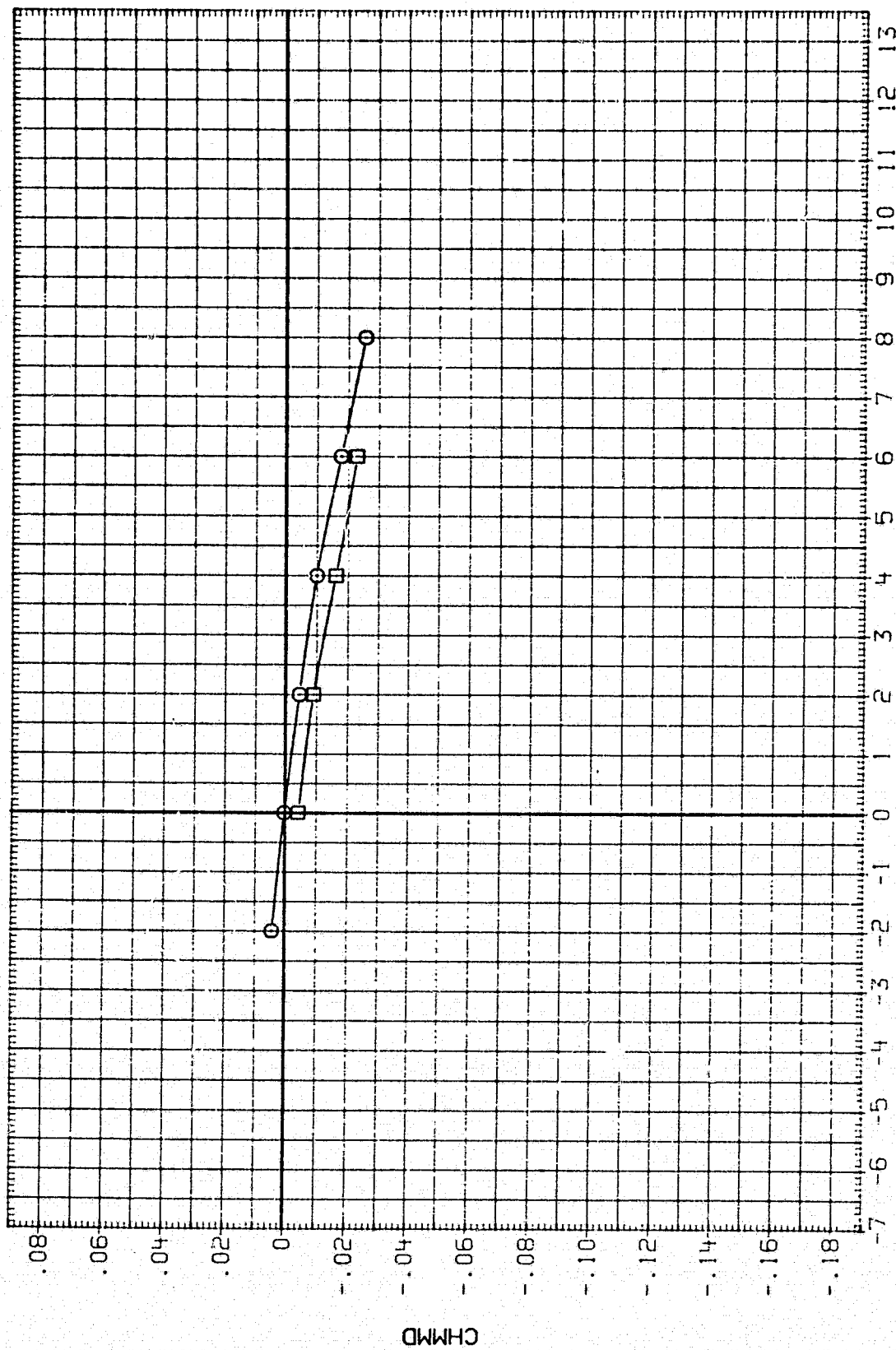


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(H)BETA = 2.00

DATA SET SYMBOL
 AFPH01
 AFPH05

CONF IGURATION

0A163B B68C12G20M161284127E5F 10V8R5X911
 0A163B B68C12G20M161284127E5F 10V8R5X911

THETAN PHI-N THETM THETMR PHI-ML PHI-MR ELV-L BDFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 5.000 .000

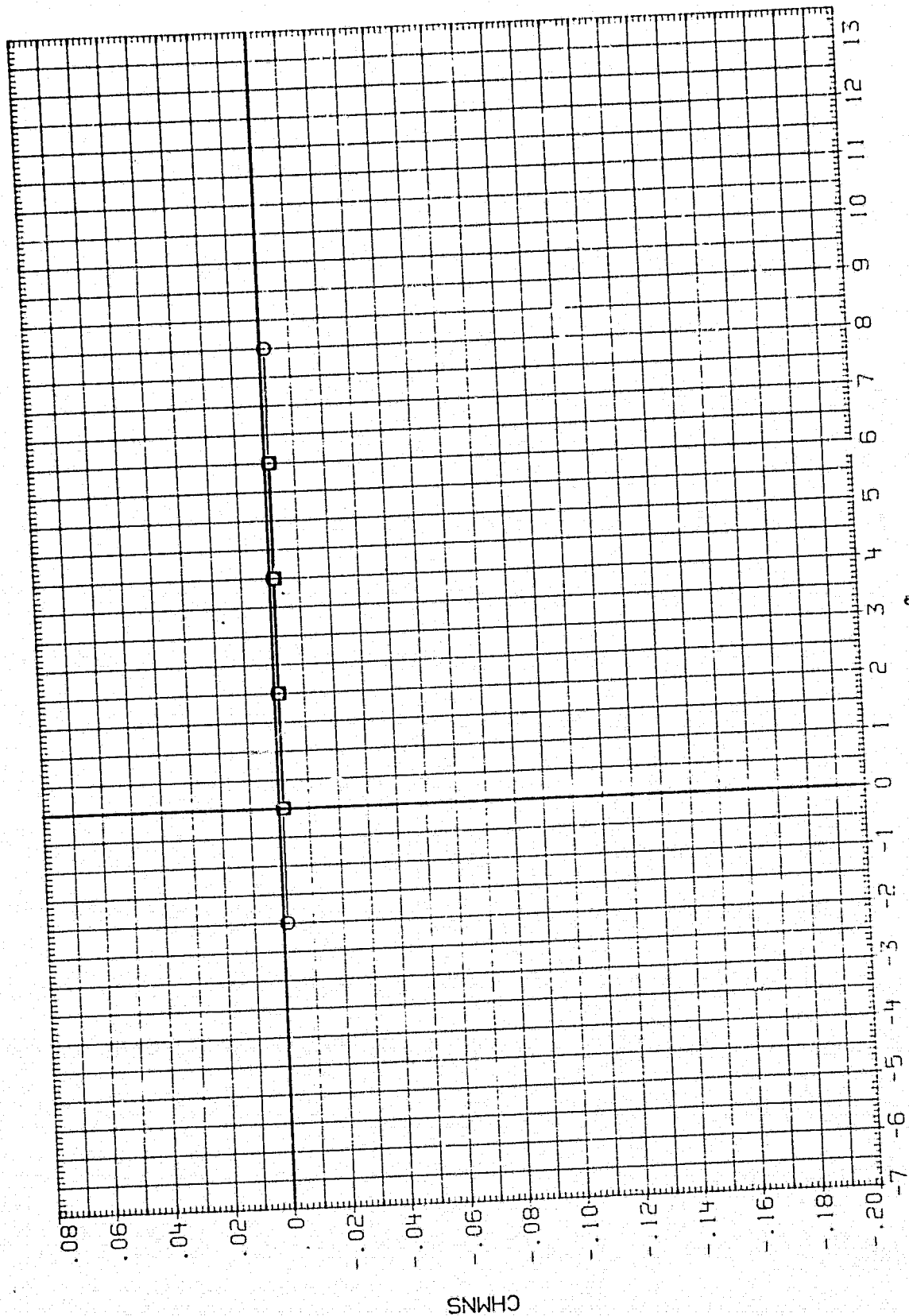


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(1) BETA = 3.00

DATA SET SYMBOL
AFPH01
AFPH05

CONFIGURATION
0A163B B66C12G20M16N28W127E5F10V8R5X311
0A163B B66C12G20M16N28W127E5F10V8R5X311

THETAN
5.000
5.000

PHI-N
30.800
30.800

THETML
5.000
5.000

PHI-ML
32.200
32.200

PHI-MR
32.200
32.200

ELV-L
.000
5.000

BDFLAP
.000
.000

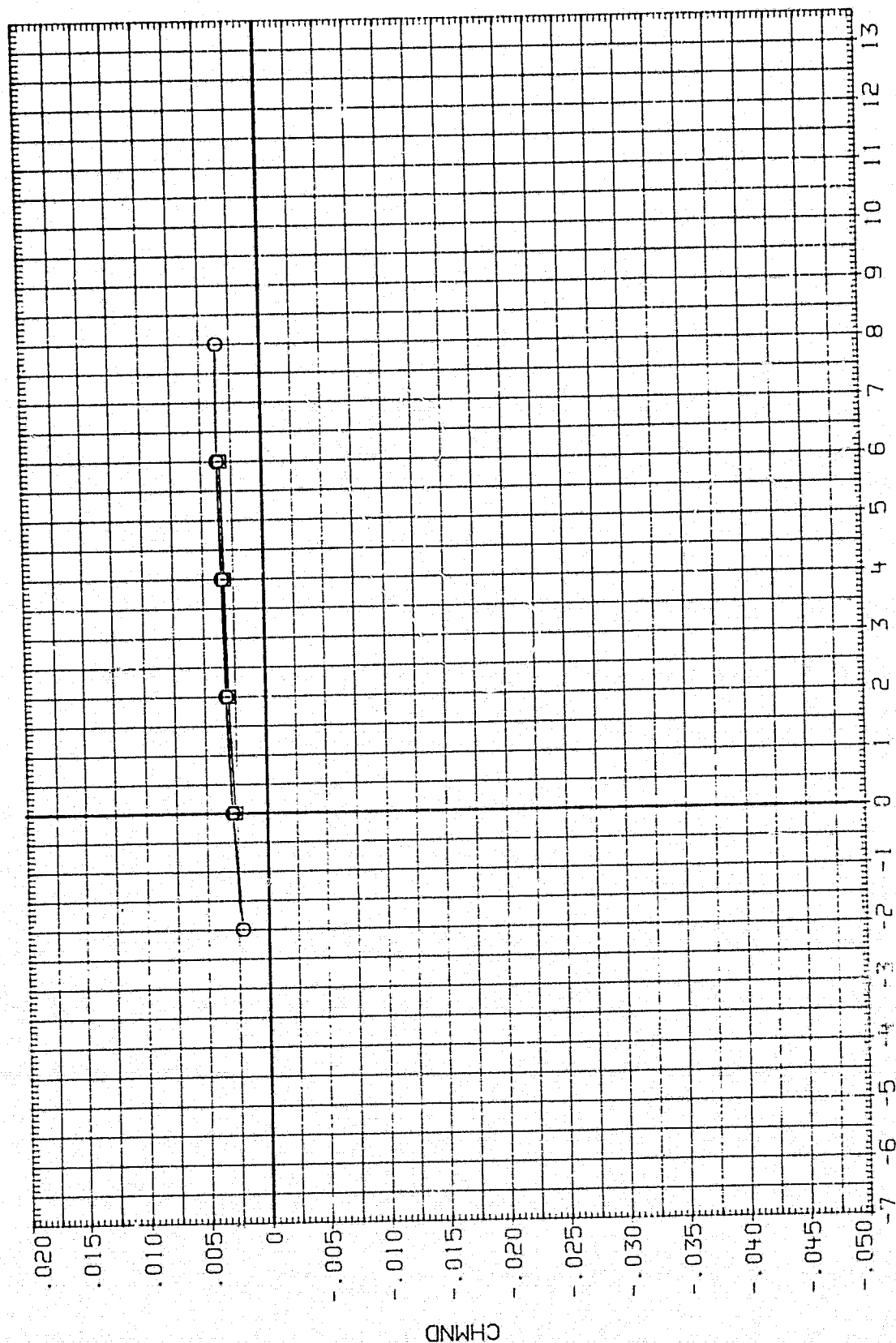


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(1) BETA = 3.00

DATA SET SYMBOL

AFPH01
AFPH05

CONFIGURATION

0A1638 B68C12020M16428W127E5F10V8R5X911
0A1638 B68C12020M16428W127E5F10V8R5X911

THETAN PH1-N THETML THETMR PH1-ML PH1-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000

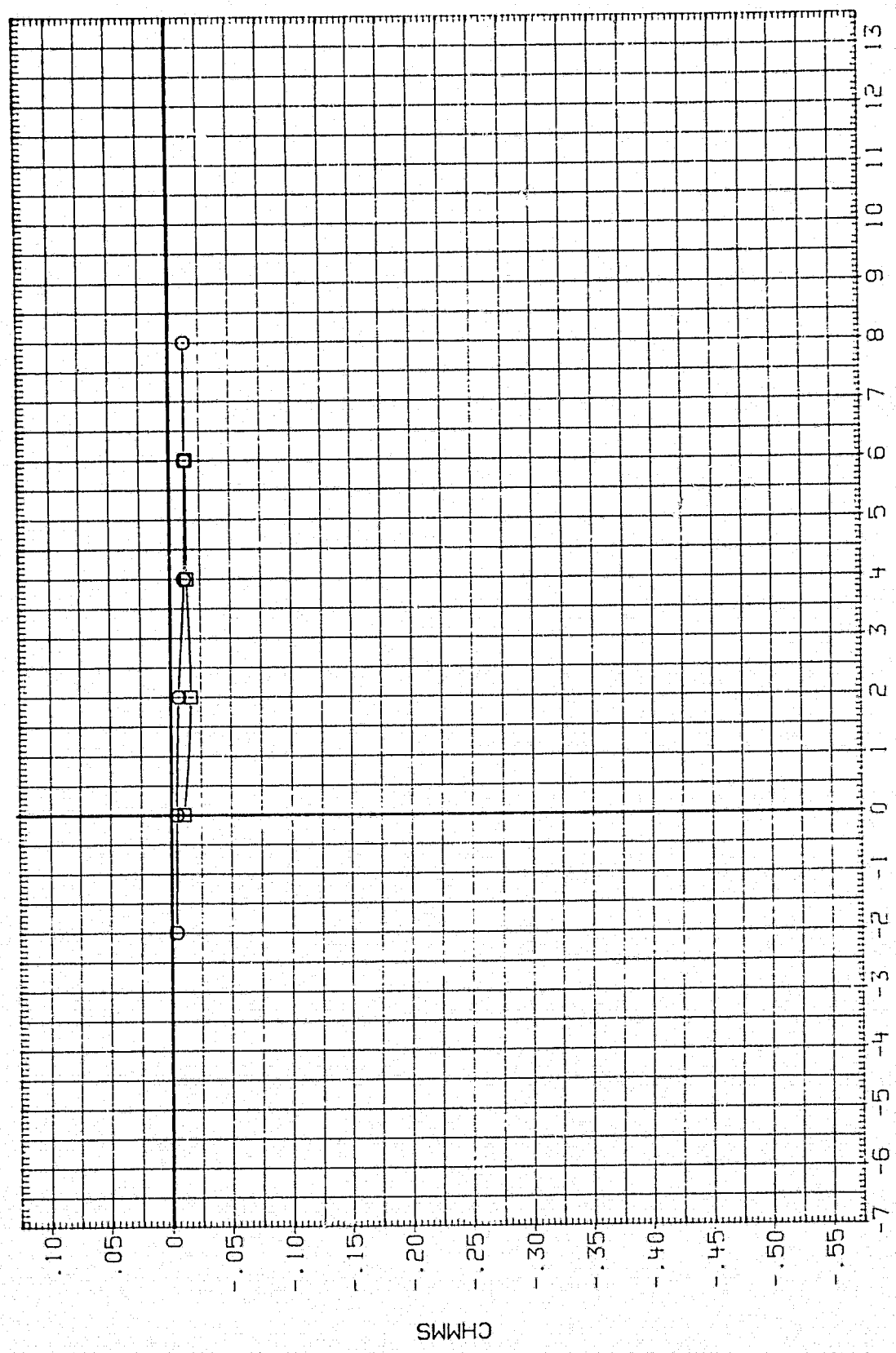


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(1) BETA = 3.00

DATA SET SYMBOL
AFPH01
AFPH05

CONF IGURATION

0A1638 B68C12020M16N28W127E5F10V8R5X911
0A1638 B68C12020M16N28W127E5F10V8R5X911

THE TAN 5.000 5.000 5.000
PHI-N 30.800 30.800 32.200
THE ML 5.000 5.000 5.000
THE MR 5.000 5.000 5.000
PHI-MR 32.200 32.200 32.200
ELV-L 5.000 5.000 5.000
BOFLAP .000 .000 .000

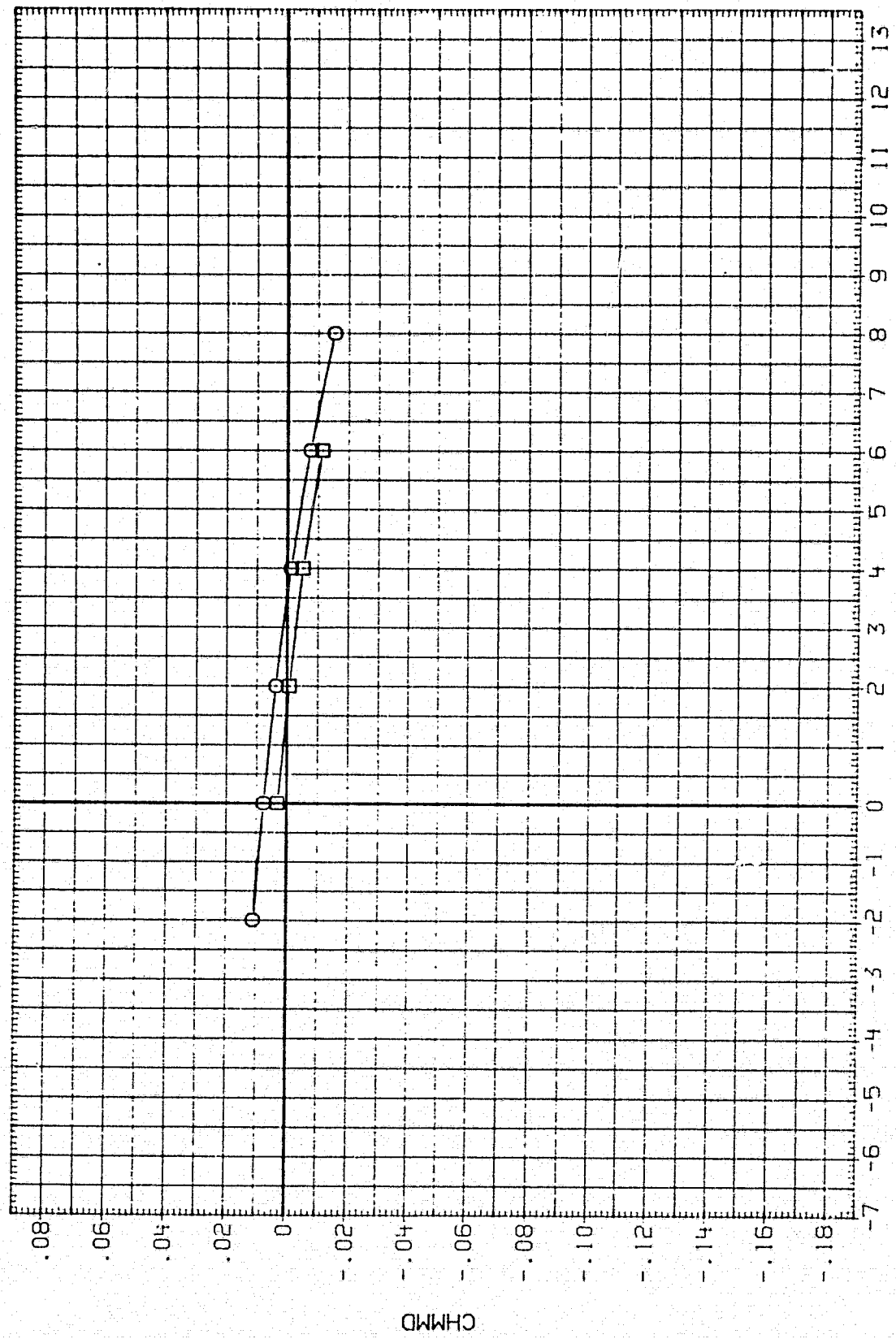


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(1) BETA = 3.00

DATA SET SYMBOL		CONF IGURATION		THETA		PHI - N		THE TML		THE THR		PHI - ML		PHI - MR		ELV - L		BDF LAP	
AFPH01	0	0A163B	B68C12G50M16N28M127E5F10V8P5X911	5.000	30.800	5.000	30.800	5.000	5.000	5.000	32.200	32.200	32.200	32.200	5.000	5.000	.000		
AFPH05	□	0A163B	B68C12G50M16N28M127E5F10V8P5X911	5.000	30.800	5.000	30.800	5.000	5.000	5.000	32.200	32.200	32.200	32.200	5.000	5.000	.000		

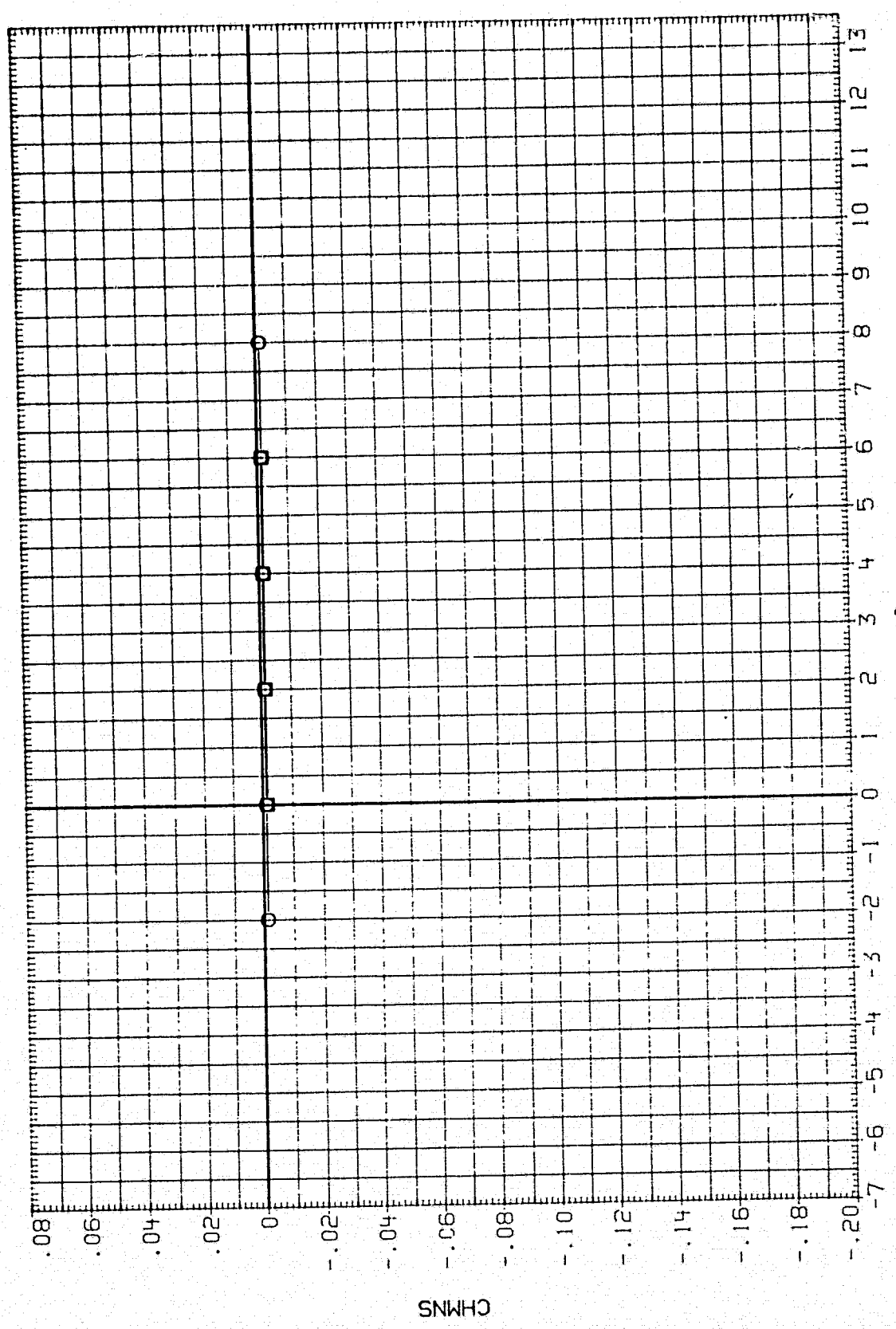


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(J) BETA = 4.00

DATA SET SYMBOL
AFPH01
AFPH05

CONFIGURATION
B68C12C20M16128M127E5F10V8R5X911
B68C12C20M16128M127E5F10V8R5X911

THETA: 5.000 5.000 5.000
PHI-N: 30.800 30.800 30.800
THETML: 5.000 5.000 5.000
THETMR: 5.000 5.000 5.000
PHI-ML: 32.200 32.200 32.200
PHI-MR: 32.200 32.200 32.200
ELV-L: 5.000 5.000 5.000
BDFLAP: .000 .000 .000

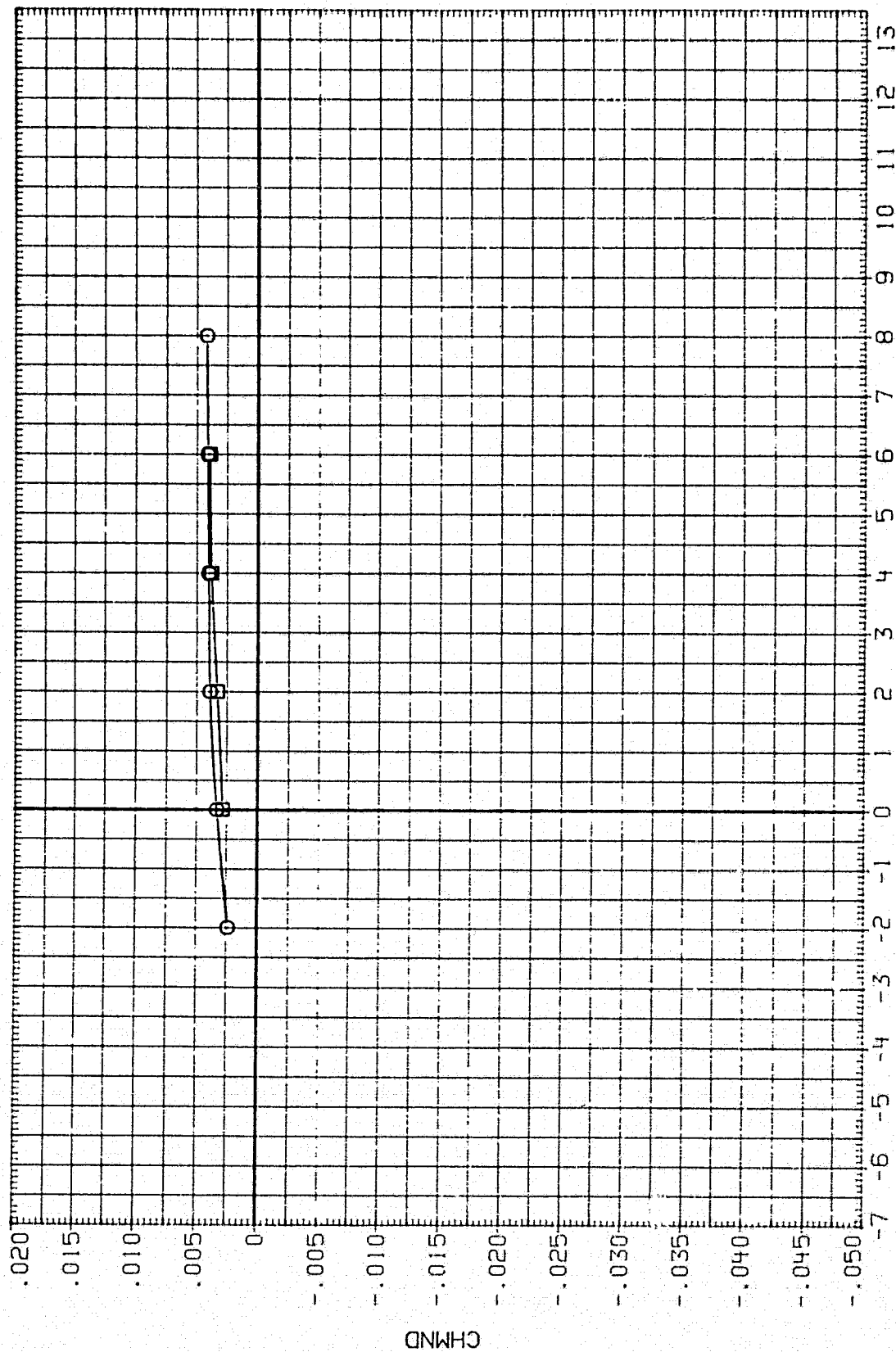


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(J)BETA = 4.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THE-TML	THE-TMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0A163B B68C12G20M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A163B B68C12G20M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

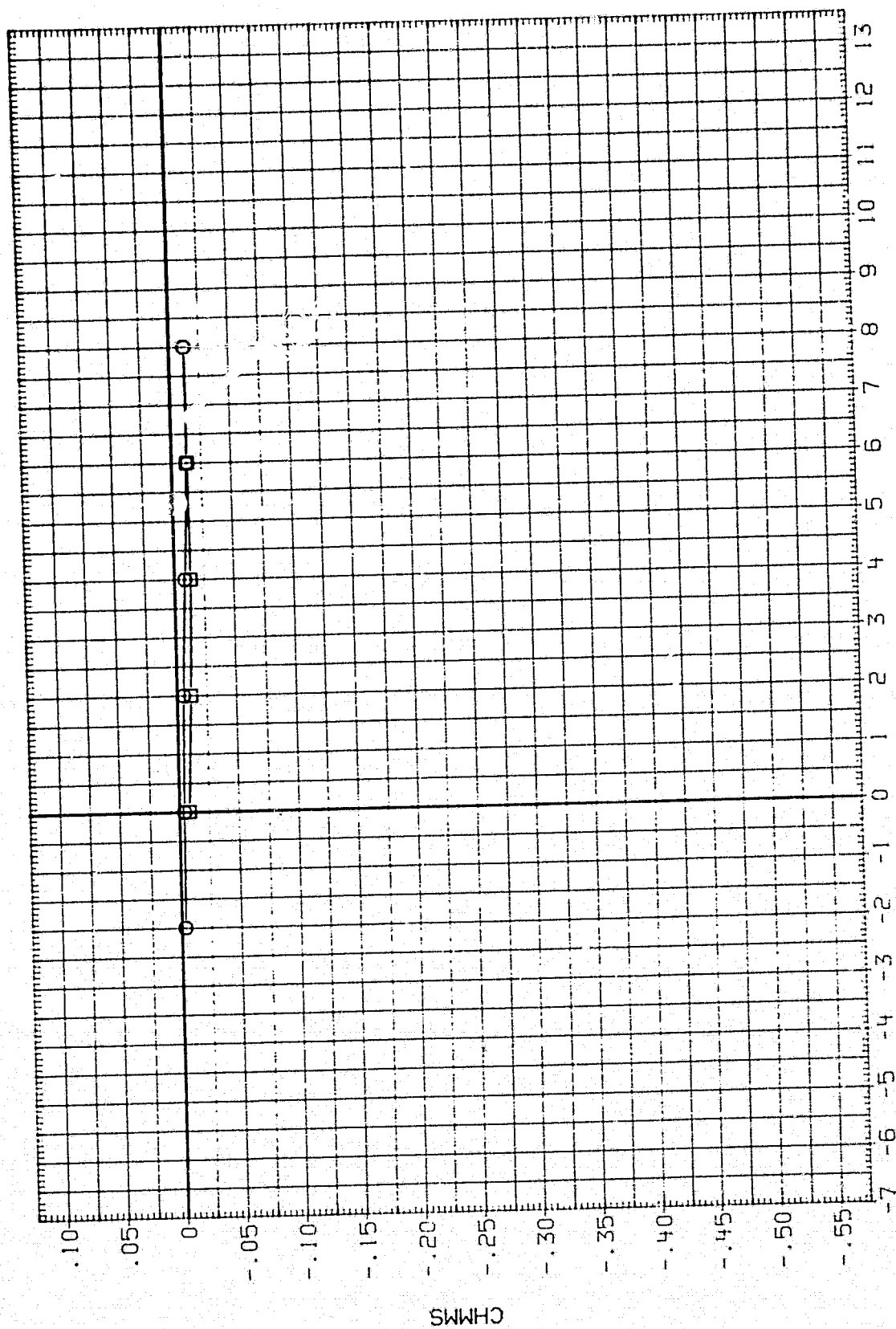


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(J)BETA = 4.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	0	0A163B	B68C12G20M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPH05	□	0A163B	B68C12G20M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	

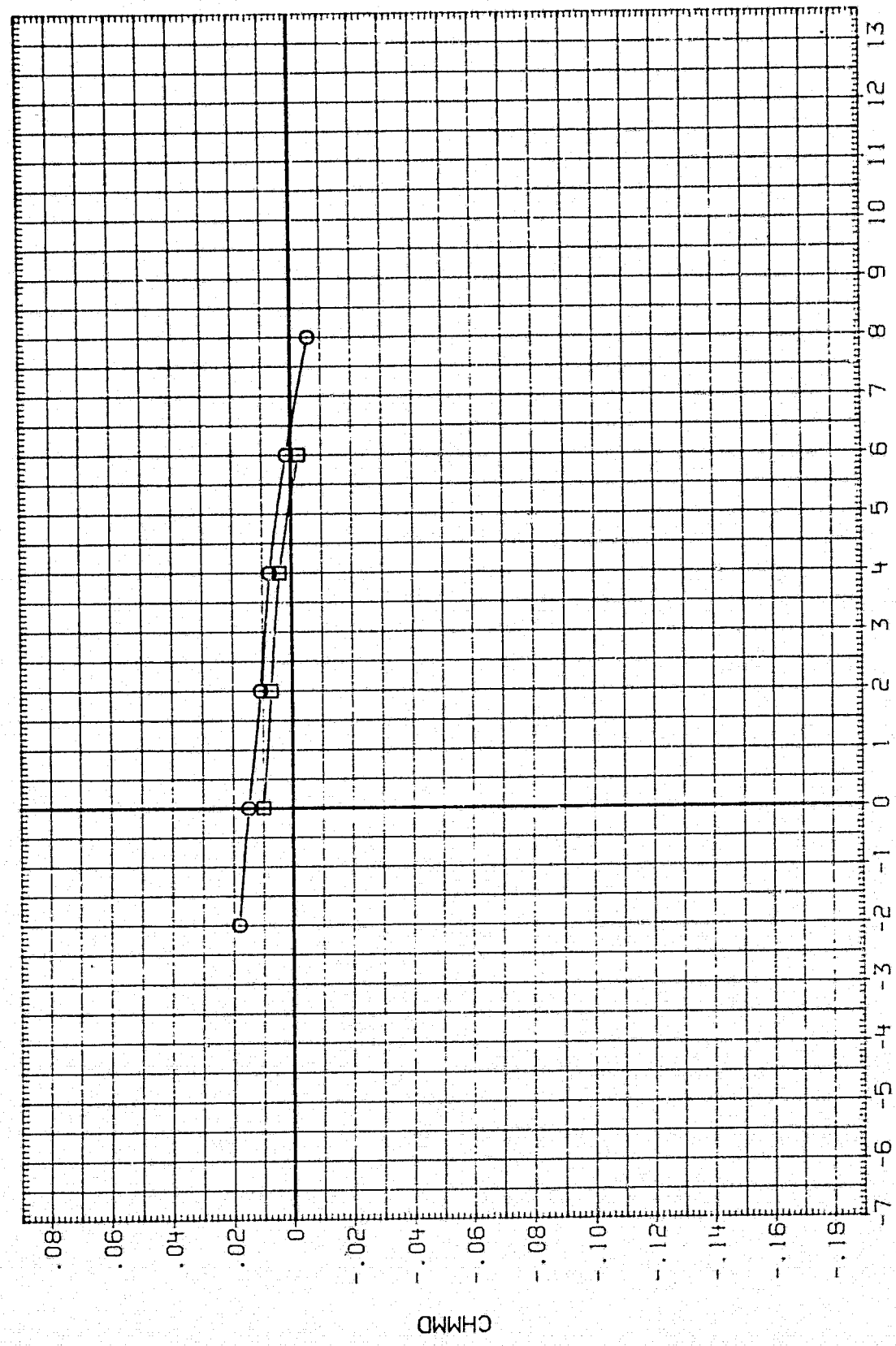


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(J)BETA = 4.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	□	0A1638	B68C12020M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	□	0A1638	B68C12020M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	.000

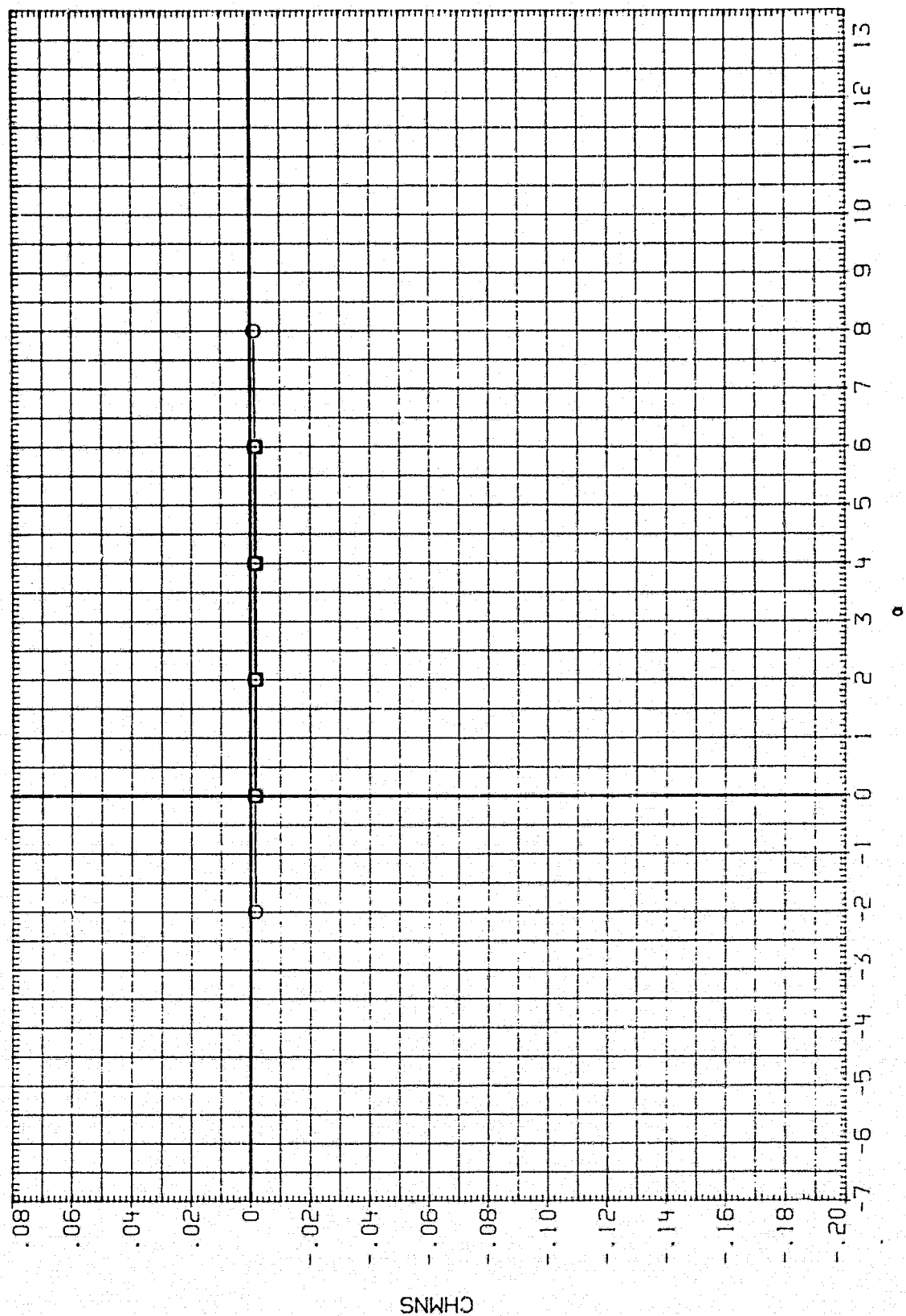


FIG 6 EFFECT OF ELEON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(K)BETA = 5.00

DATA SET SYMBOL
AFPH01
AFPH05

CONF IGURATION
0A1638 B68C12G20M16N28W127E5F10V8R5X911
0A1638 B68C12G20M16N28W127E5F10V8R5X911

THETAN 5.000 5.000
PHI-N 30.800 30.800
THETML 5.000 5.000
THETMR 5.000 5.000
PHI-ML 32.200 32.200
PHI-MR 32.200 32.200
ELV-L 5.000 5.000
BDFLAP .000 .000

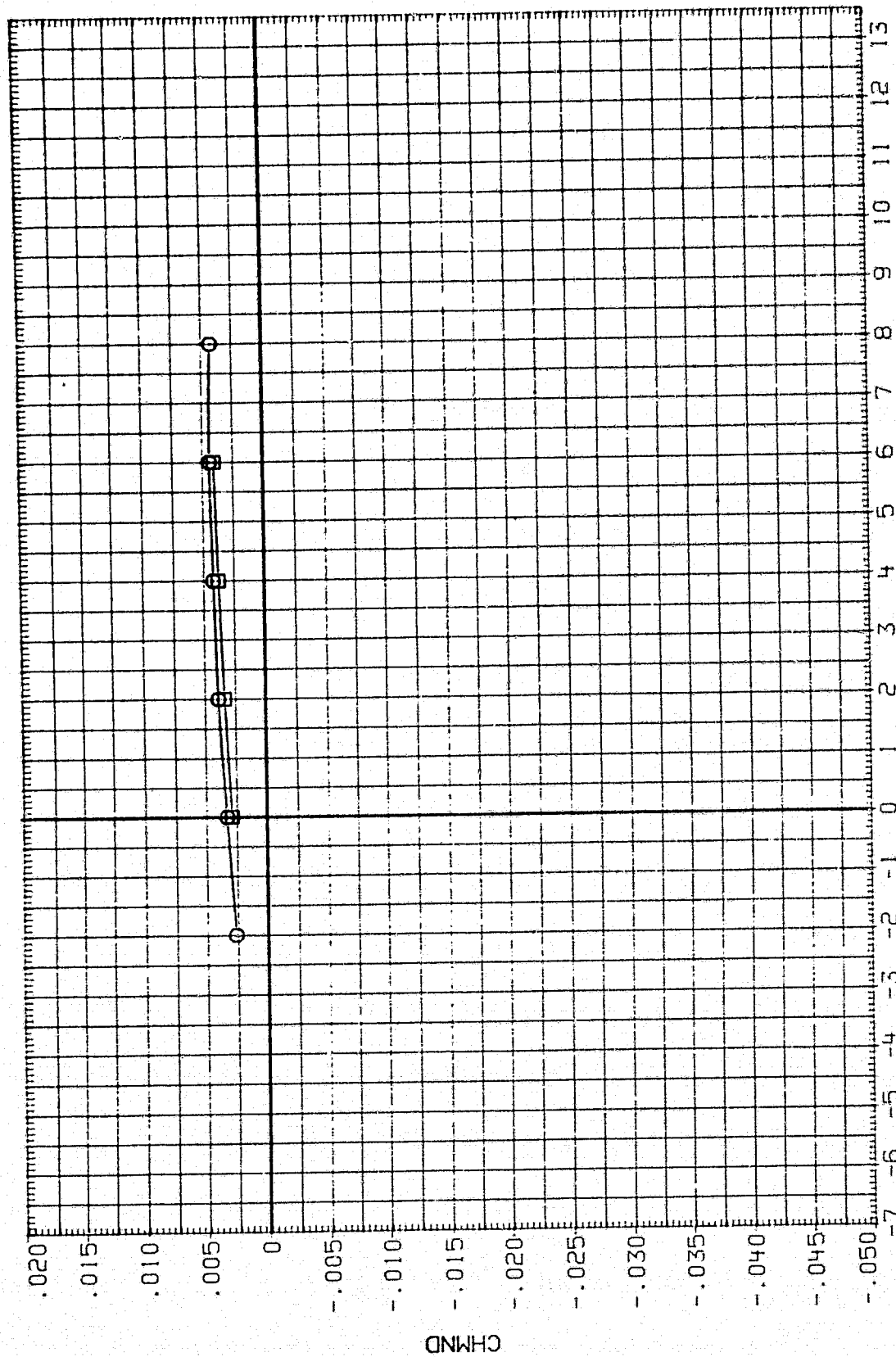


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(K)BETA = 5.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THEML	THEMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	○	0A1638	B68C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPH05	□	0A1638	B68C12G20M16N28M127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	5.000	

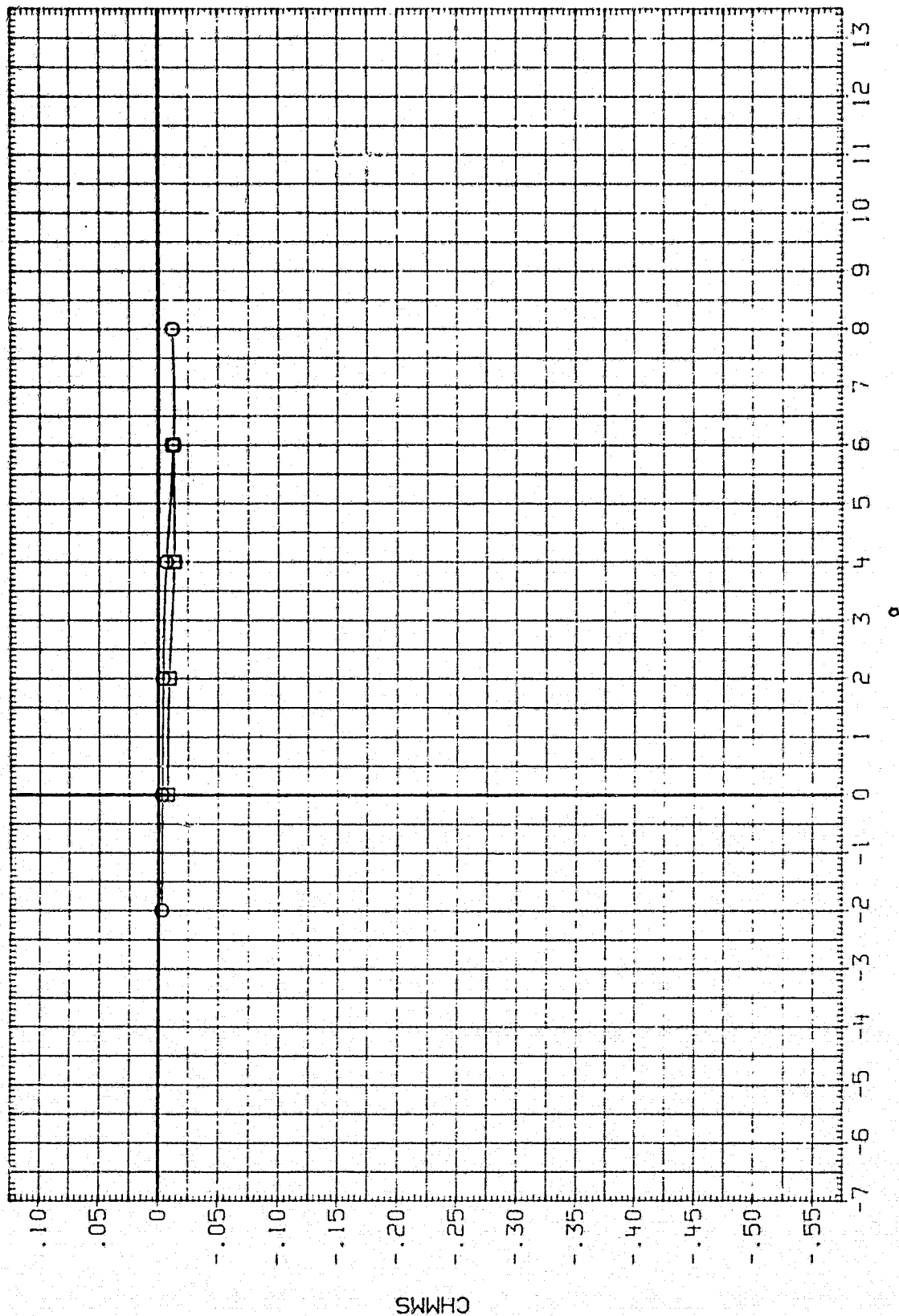


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(K) β ETA = 5.00

DATA SET SYM30L CONFIGURATION

0A163B	B68C12G20M16N28W127E5F10VBR5X911	THETAN	PHI-N	THEIML	PHI-M	PHI-MR	ELV-L	BOFLAP
0A163B	B68C12G20M16N28W127E5F10VBR5X911	5.000	30.800	5.000	32.200	32.200	5.000	.000
		5.000	30.800	5.000	32.200	32.200	5.000	.000

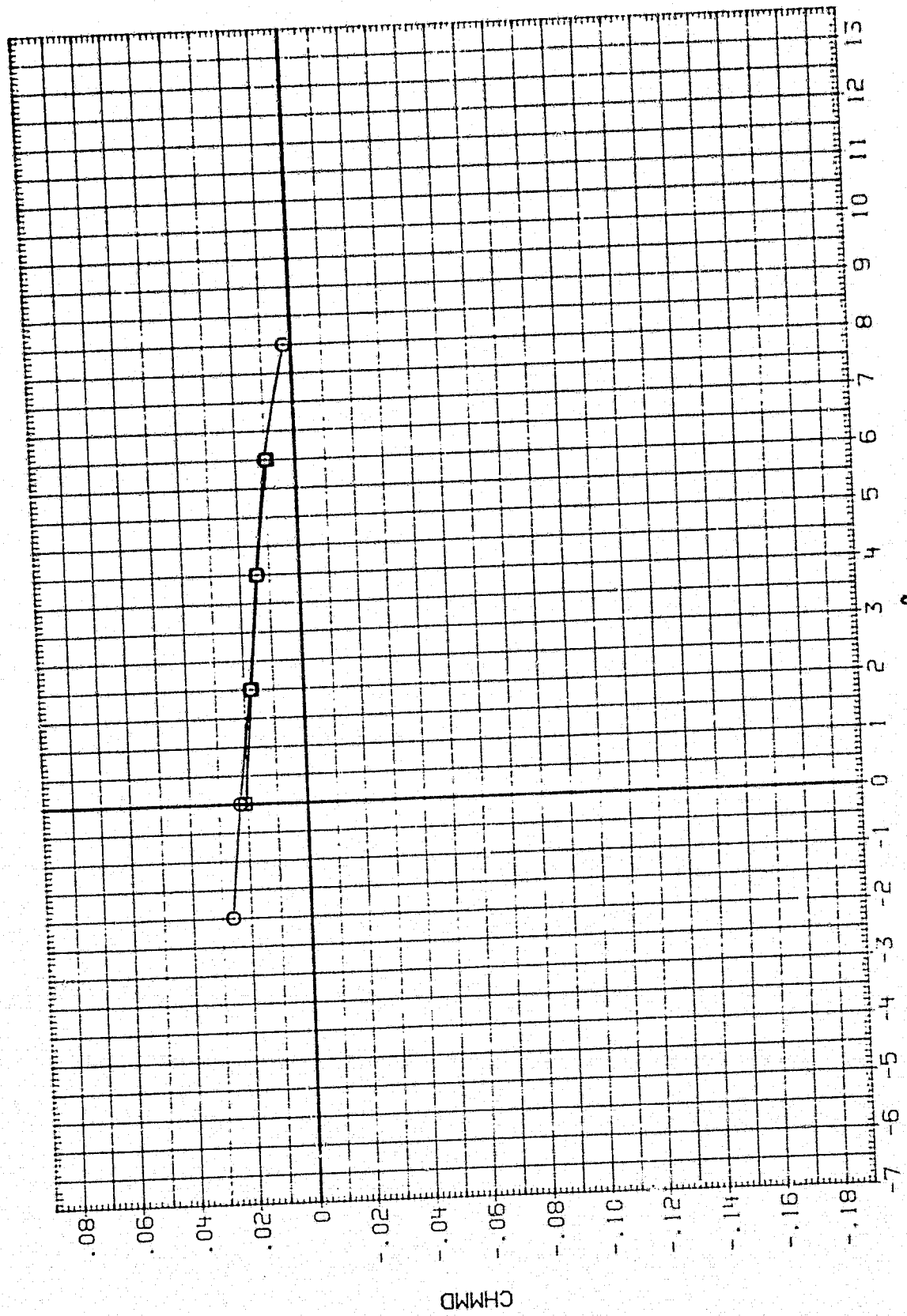


FIG 6 EFFECT OF ELEVON DEFLECTION ON LANDING GEAR HINGE MOMENTS

(K)BETA = 5.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BOFLAP
AFPH01	0A1638 B68C12G20M16N28H1275F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A1638 B68C12G20M16N28H1275F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

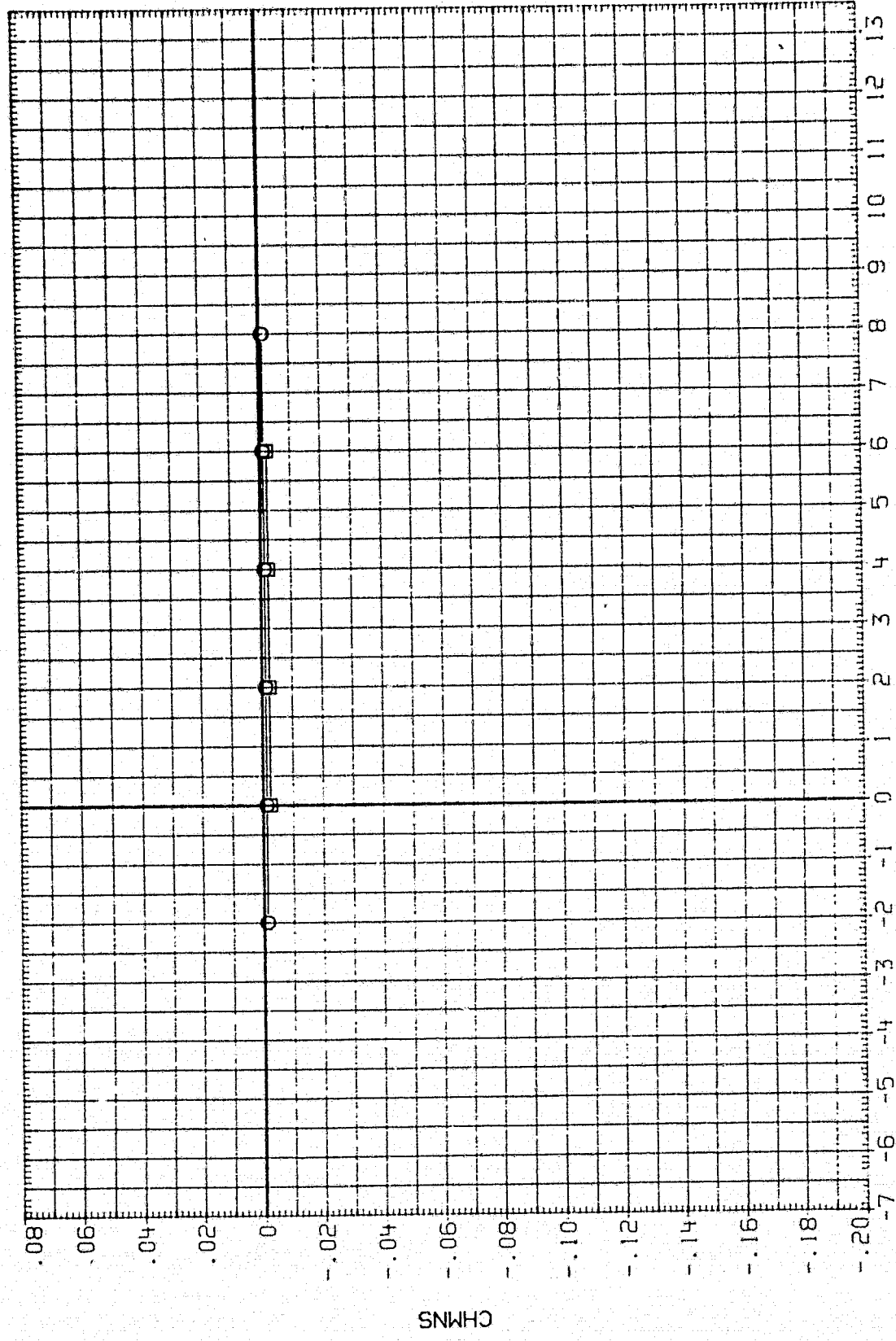


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(A) BETA = -5.00

2-4

DATA SET SYMBOL
 AFPH01 0
 AFPH06 0

CONF IGURATION

0A1638 B68C12620M16N28H127E5F 10V8R5X911
 0A1638 B68C12620M16N28H127E5F 10V8R5X911

THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

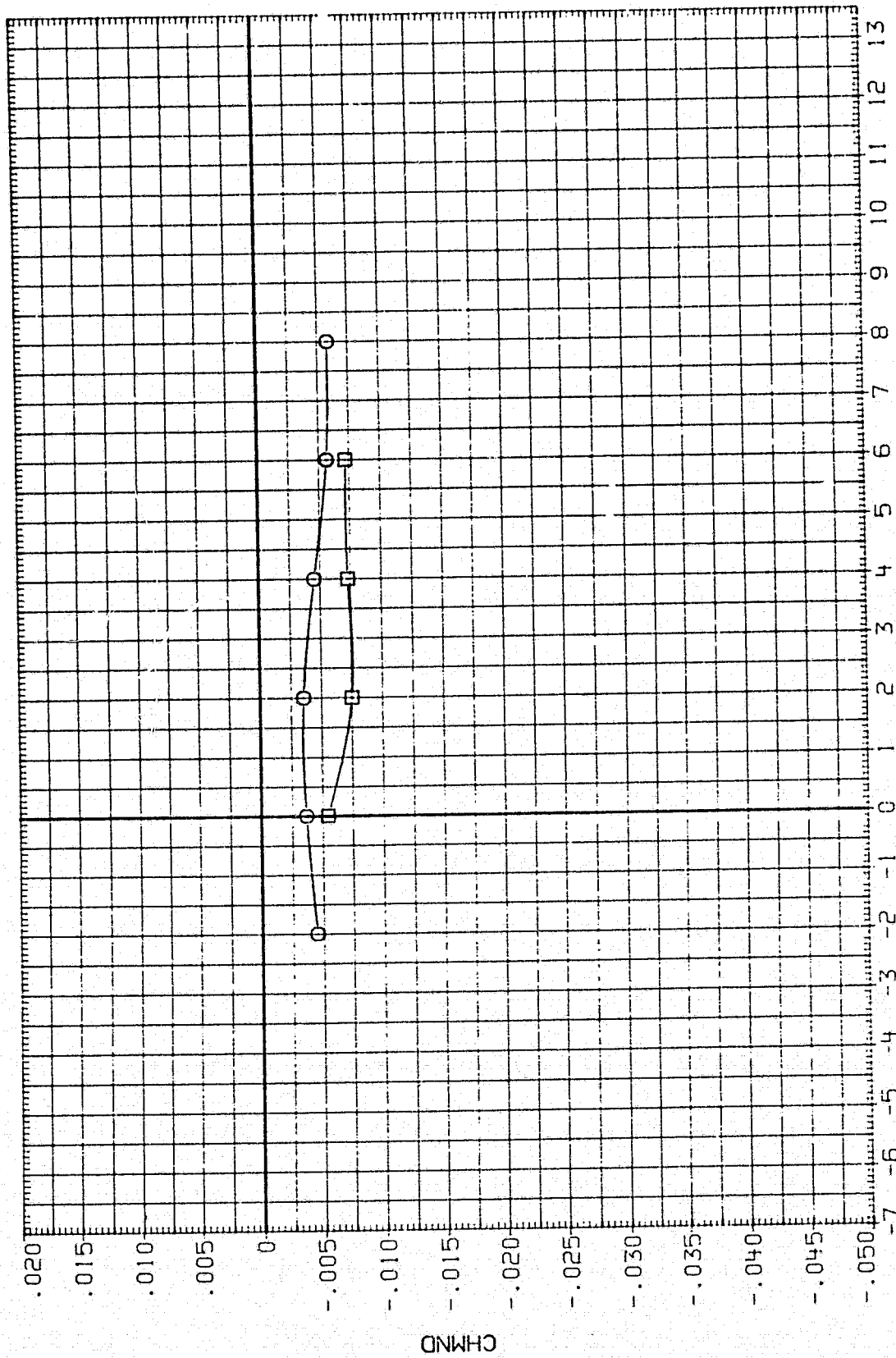


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(A) BETA = -5.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BDF LAP
AFPH01	0A1638 B68C12020M16N28M127E5F 10V8R5X311	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	0A1638 B68C12020M16N28M127E5F 10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

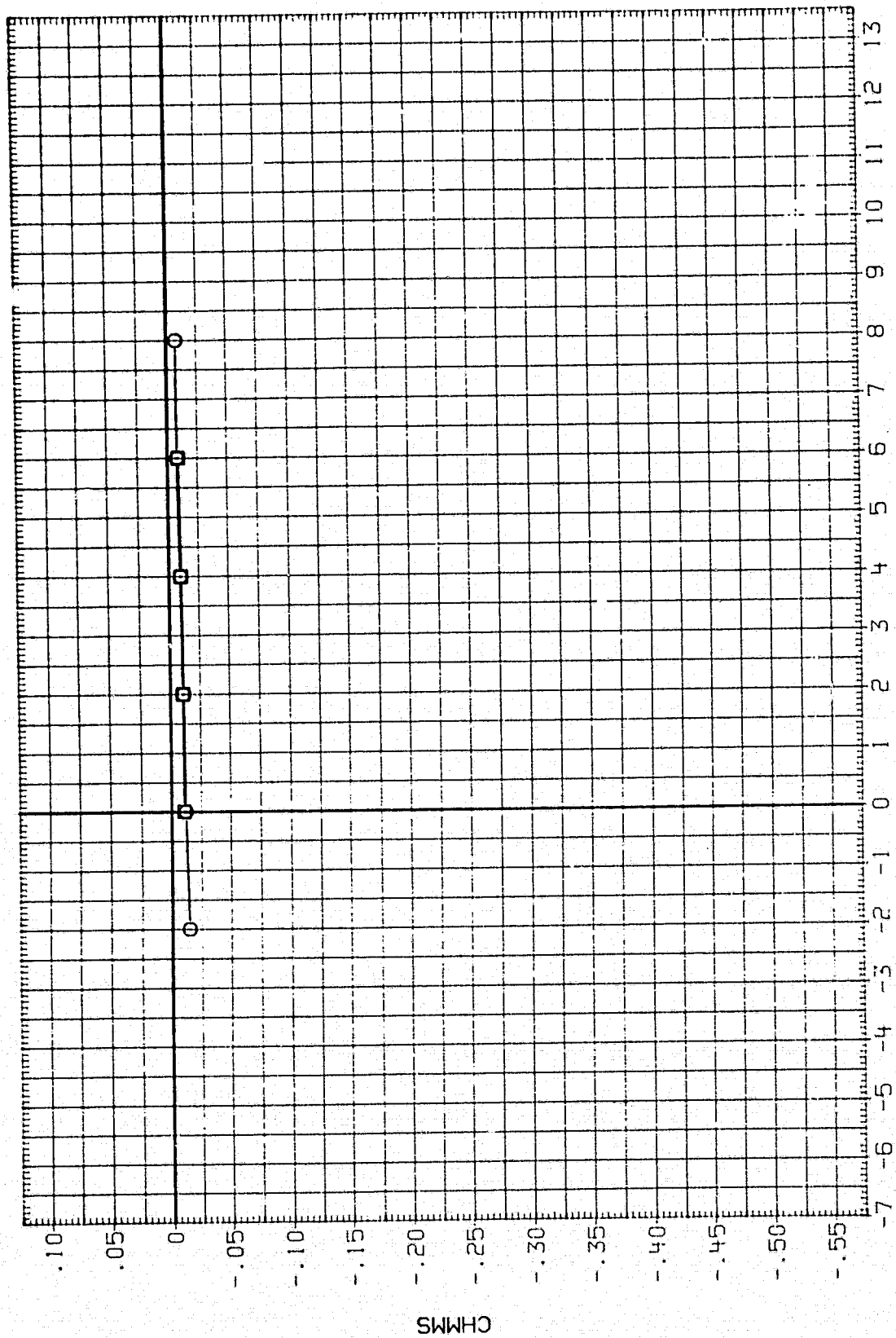


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(A) BETA = -5.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	0A1538 B68C12G20M16K28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	0A1638 B68C12G20M16K28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

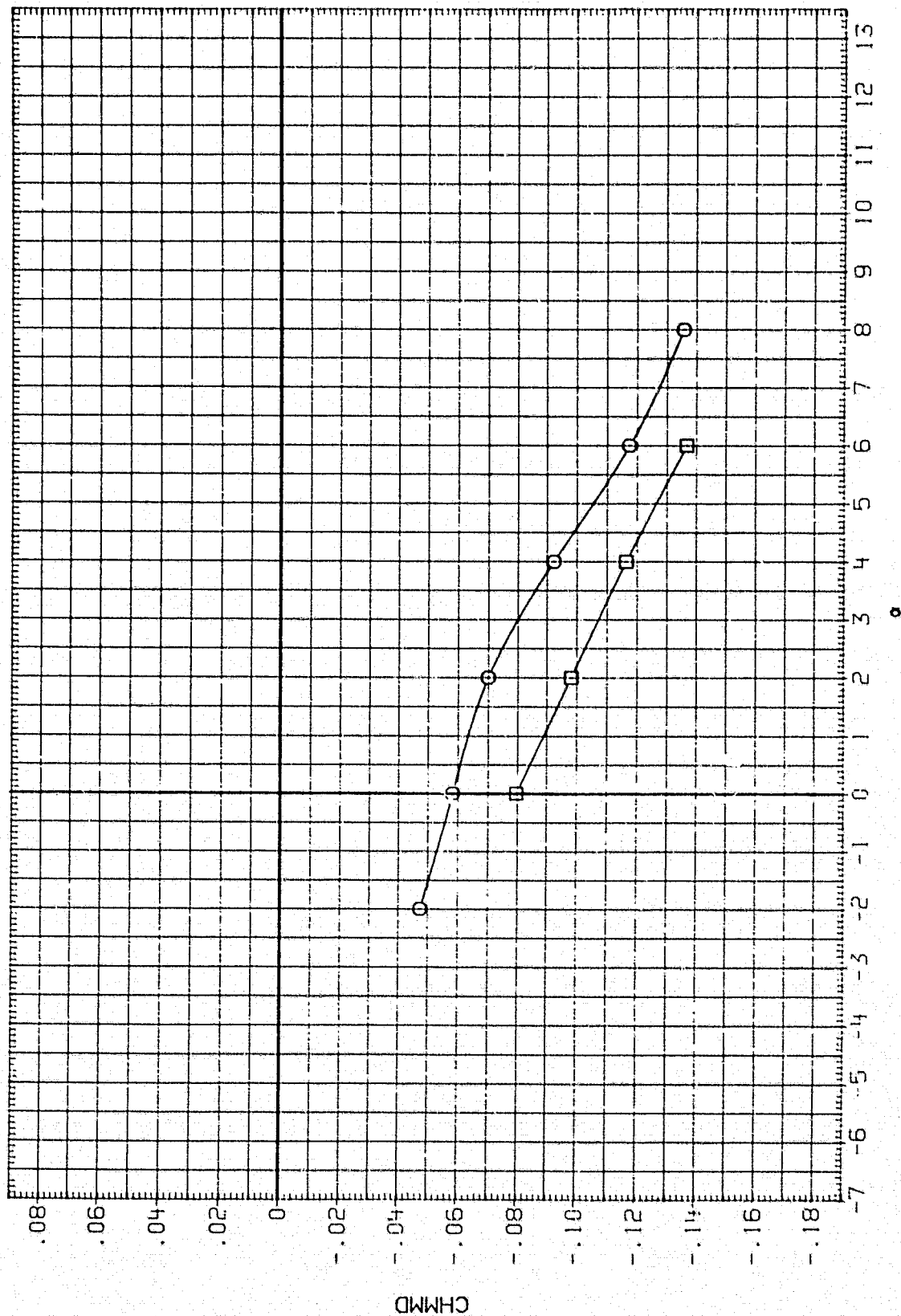


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(A) BETA = -5.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI -N	THETML	THETHR	PHI -ML	PHI -MR	ELV-L	BDFLAP
AFPH01	0A163B B68C12G20M16128M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	0A163B B68C12G20M16128M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

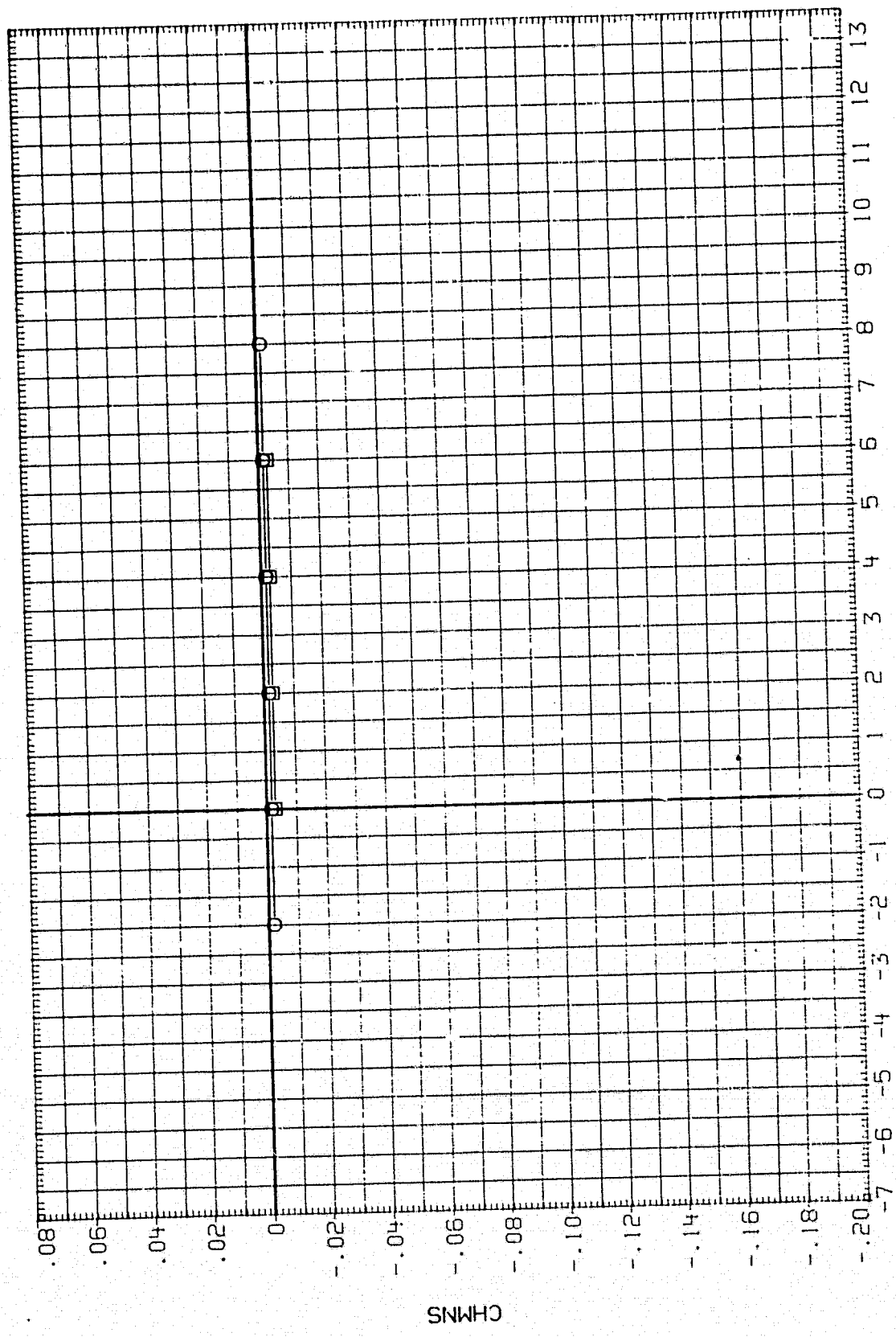


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(B)BETA - -4.00

DATA SET SYMBOL

AFPH01
AFPH06

□

COMPUTATION

0A1638 868C12G20M16N28M127F5F10V8R5X911
0A1638 868C12G20M16N28M127F5F10V8R5X911

THETAN 5.000 5.000
PHI-N 30.800 30.800
THETML 5.000 5.000
THETMR 5.000 5.000
PHI-ML 32.200 32.200
PHI-MR 32.200 32.200
ELV-L .000 .000
BDFLAP 16.300 16.300

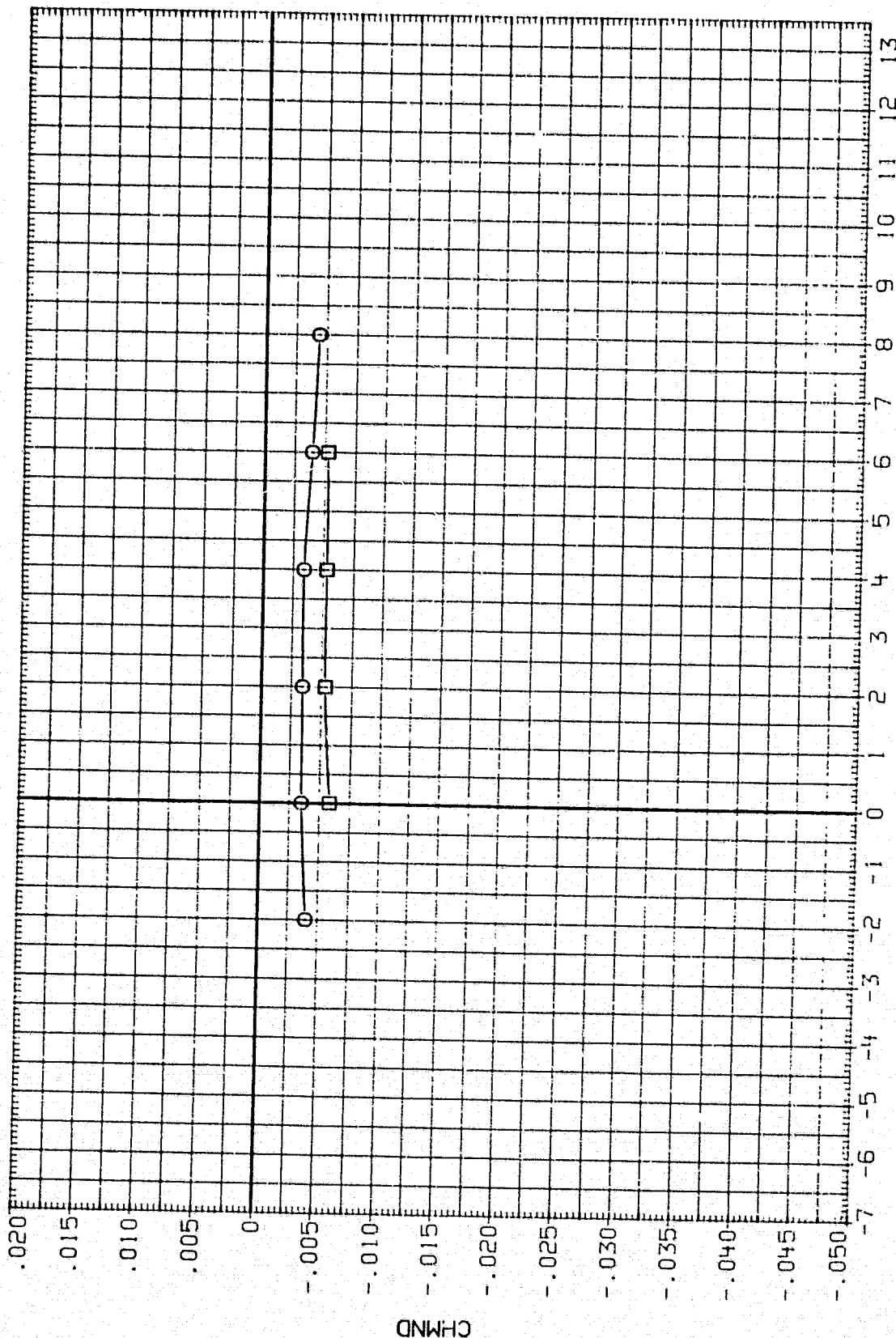


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(B) BETA = -4.00

DATA SET SYMBOL
 AFPH01
 AFPH06

CONFIGURATION

0A163B B66C12G20M16N28W127L5F10V8R5X911
 0A163B B66C12G20M16N28W127L5F10V8R5X911

THETAN
 5.000
 5.000

PHI-N
 30.800
 30.900

THETML
 5.000
 5.000

THETMR
 5.000
 5.000

PHI-ML
 32.200
 32.200

PHI-MR
 32.200
 32.200

ELV-L
 .000
 .000

BDELAP
 .000
 16.300

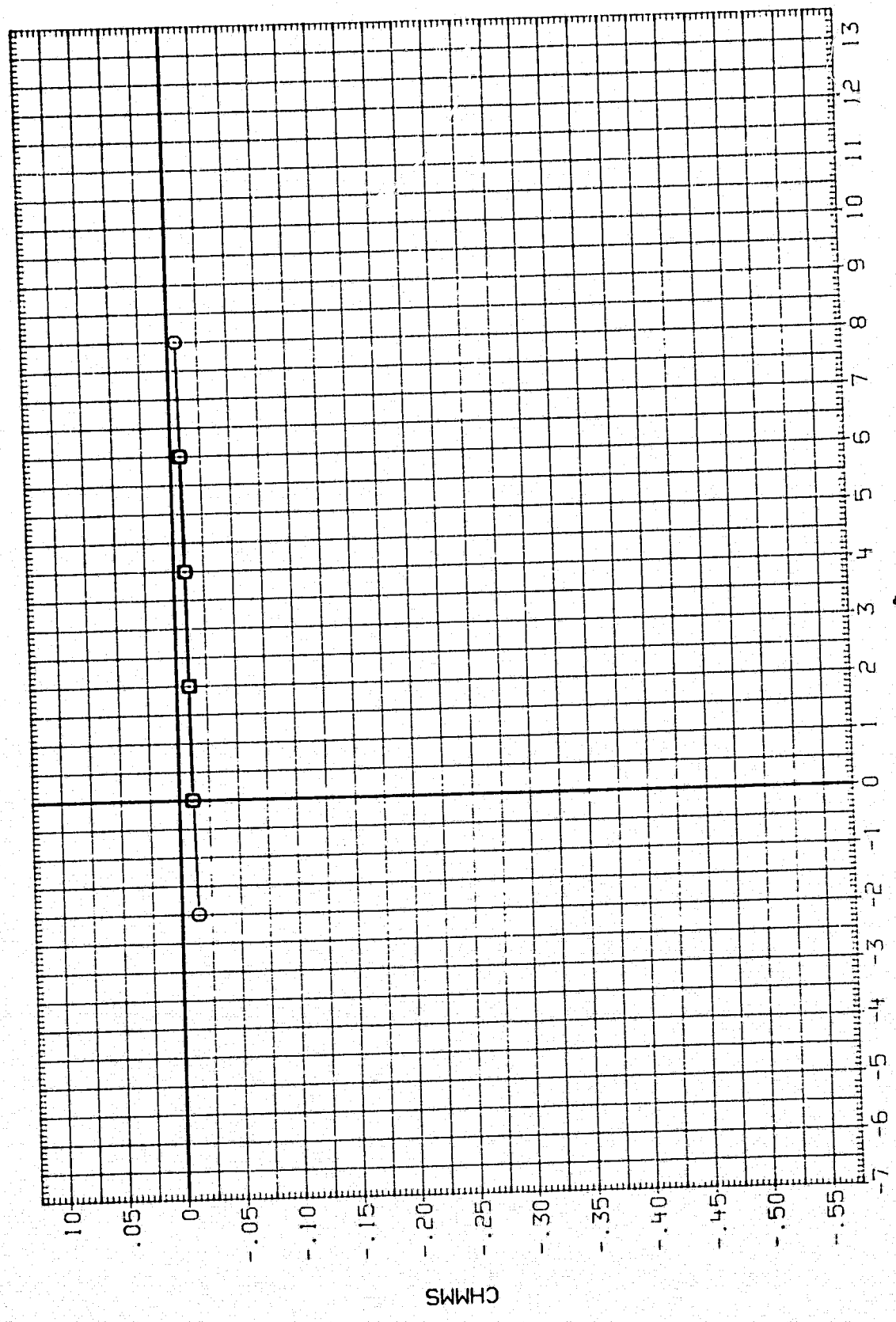


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(B) BETA = -4.00

DATA SET SYMBOL

AFPH01
AFPH06

□

CONF IGURATION

OA1638 BB8C12G20M16N28W127E5F10VBR5X911
OA1638 BB8C12G20M16N28W127E5F10VBR5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

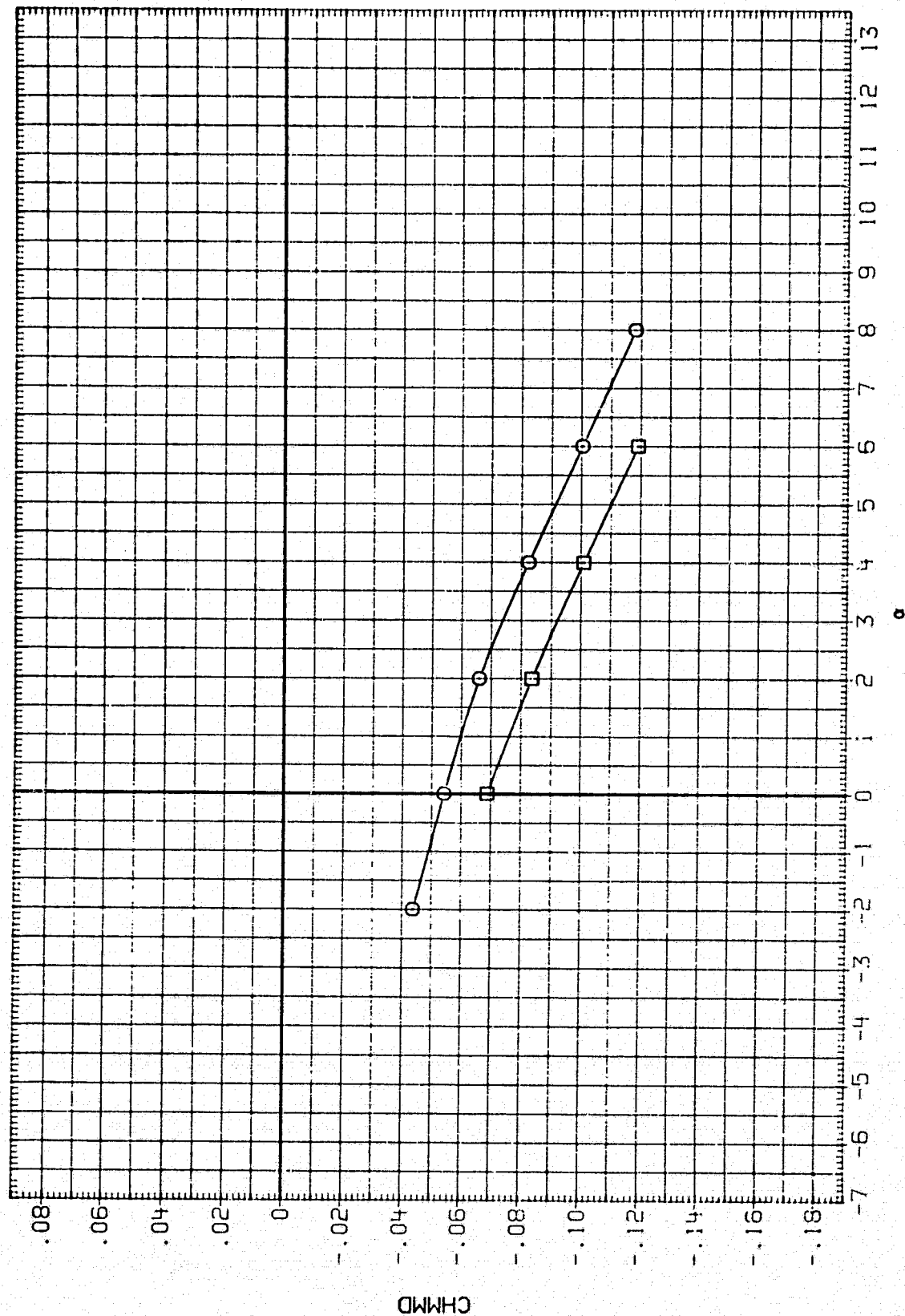


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(B)BETA = -4.00

DATA SET	SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	O	0A163B B68C12G20M16N28M127E5F1078P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	□	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

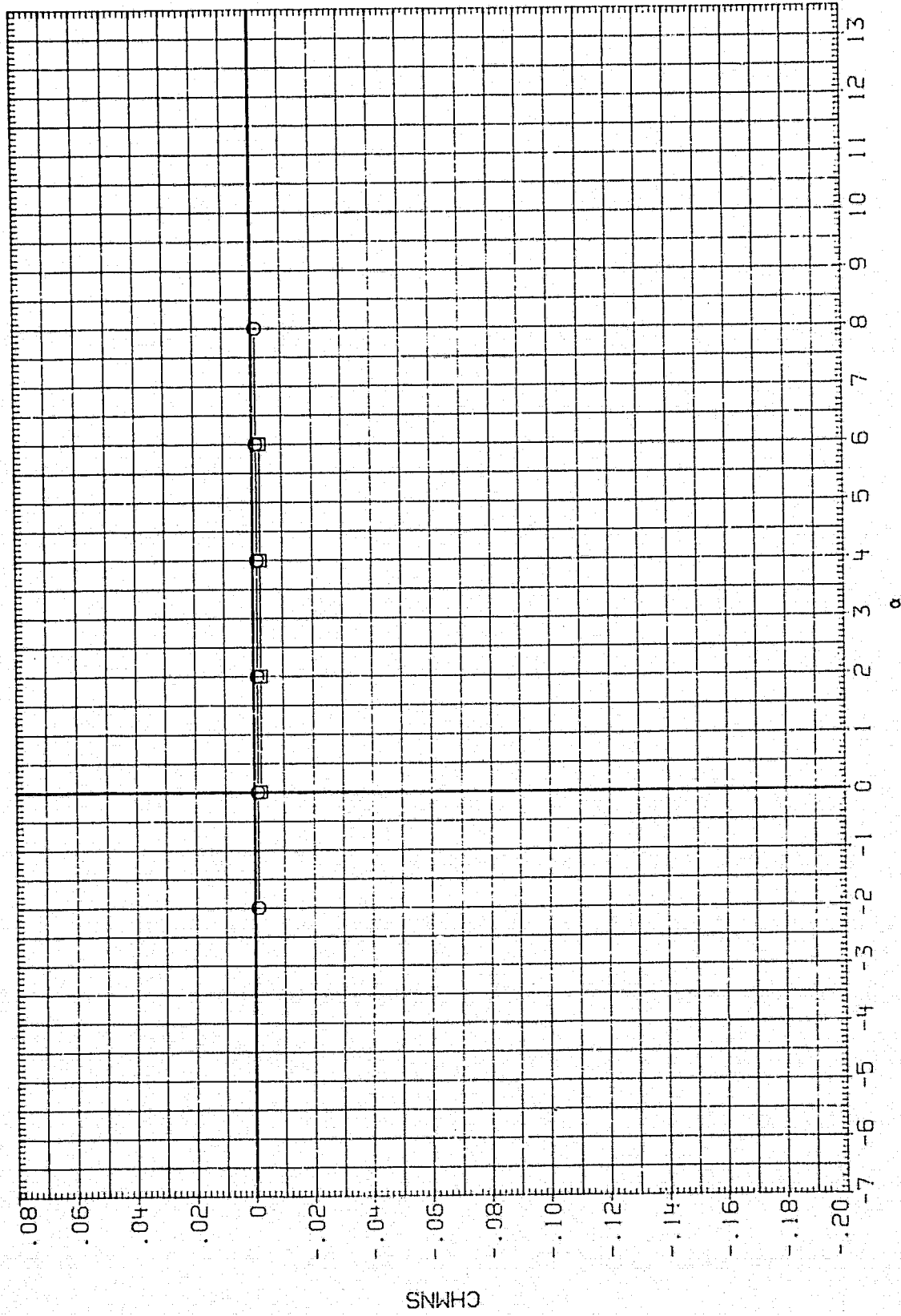


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(C)BETA = -3.00

DATA SET SYMBOL

AFPH01
AFPH06

CONFIGURATION

0A1638 868C12G20M16N28M127E3F10V8R5X911
0A1638 868C12G20M16N28M127E3F10V8R5X911

THETAN 5.000 30.800 30.800
PHI-N 30.800 30.800
THETML 5.000 5.000
THETMR 5.000 5.000
PHI-ML 32.200 32.200
PHI-MR 32.200 32.200
ELV-L .000 .000
RDFLAP .000 16.350

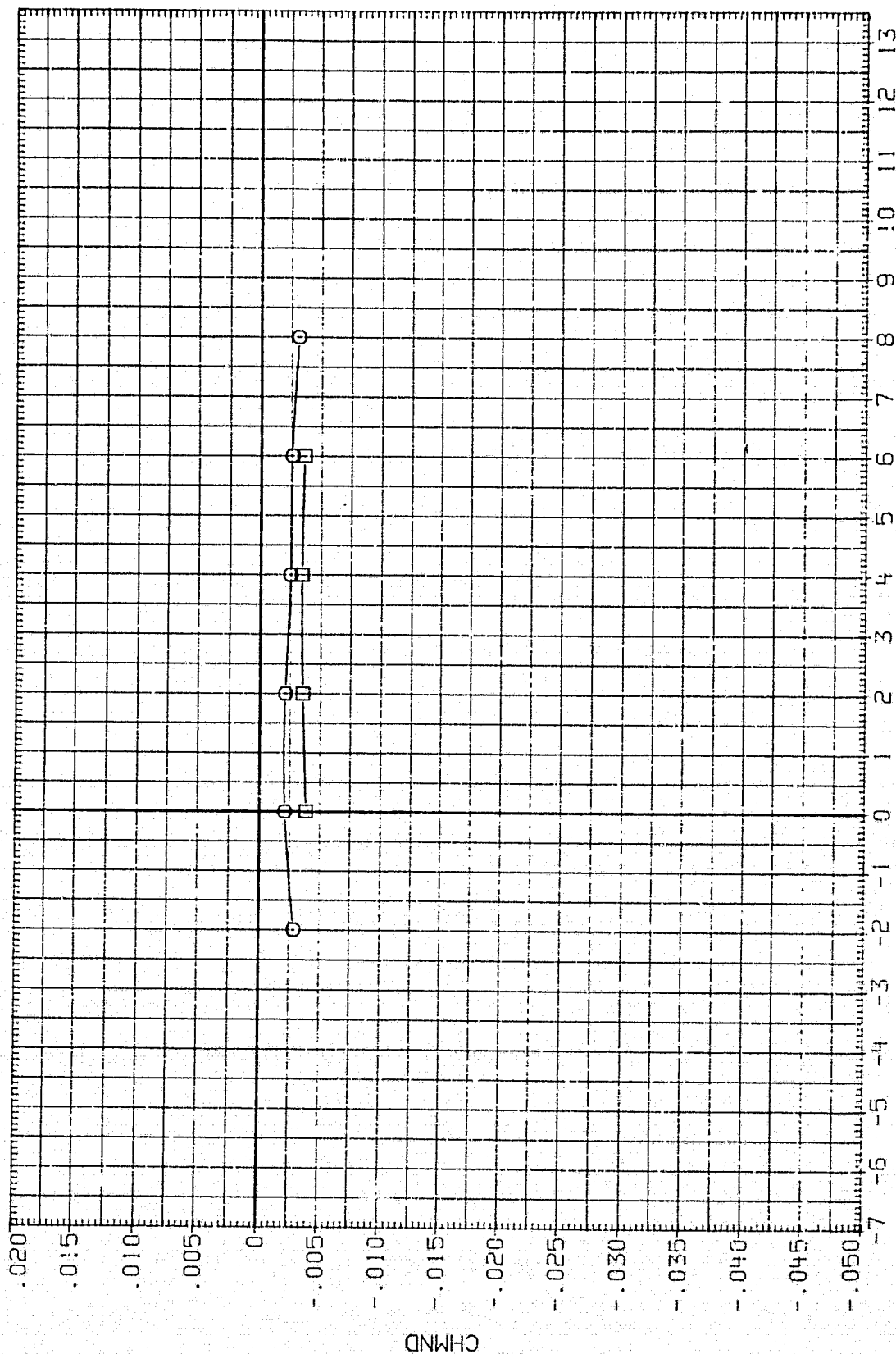


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(C)BETA = -3.00

DATA SET SYMBOL	COF IGURATION	THE TAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV -L	BDF LAP
AFPH01	0A163B 868C12C20M16N28M127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A163B 868C12C20M16N28M127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

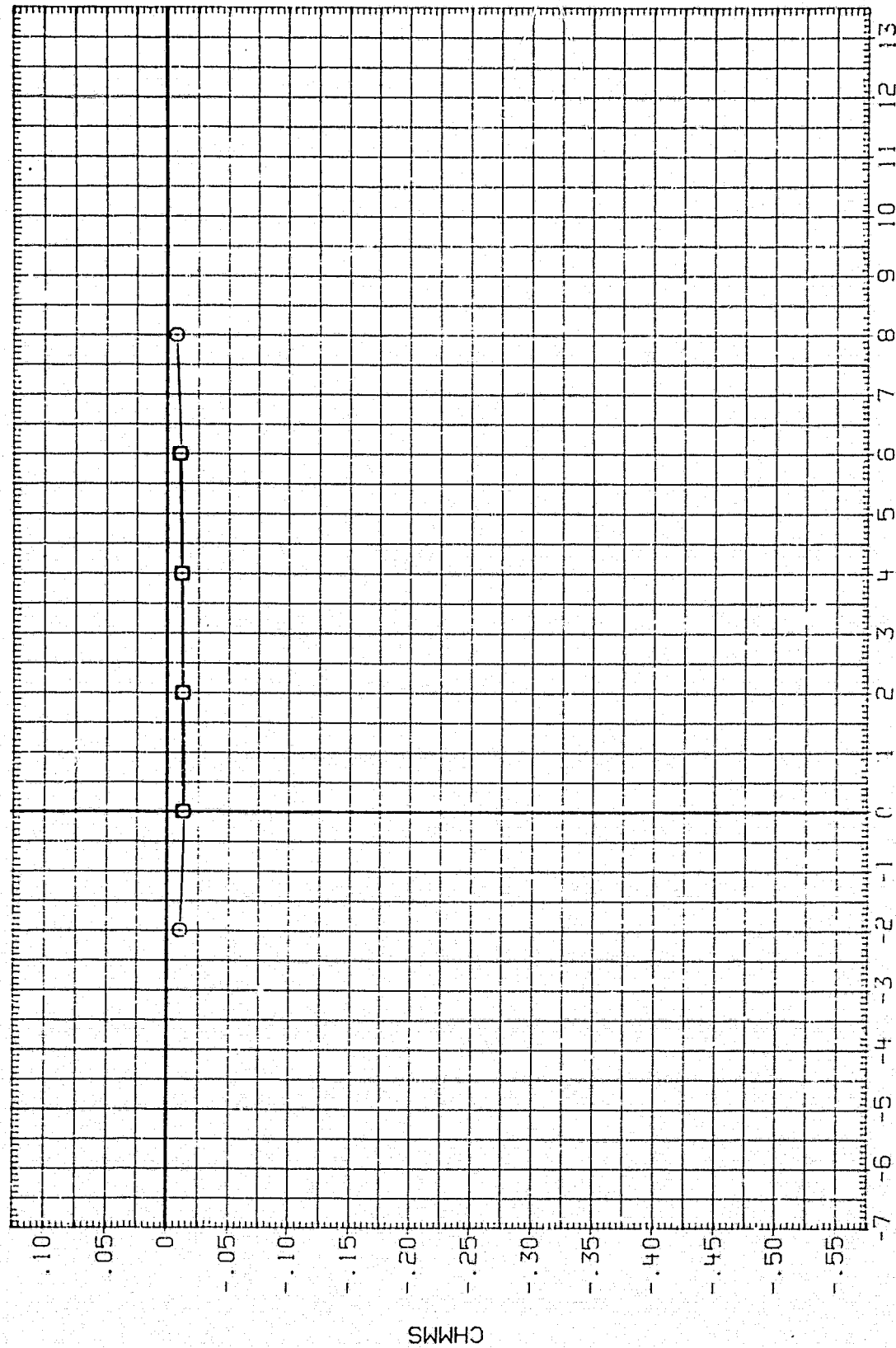


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(C)BETA = -3.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-N	THE THL	THE TMR	PHI-ML	PHI-MR	ELV-L	BD FLAP
AFPH01	0A163B B69C12G20M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	0A163B B58C12G20M16I28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

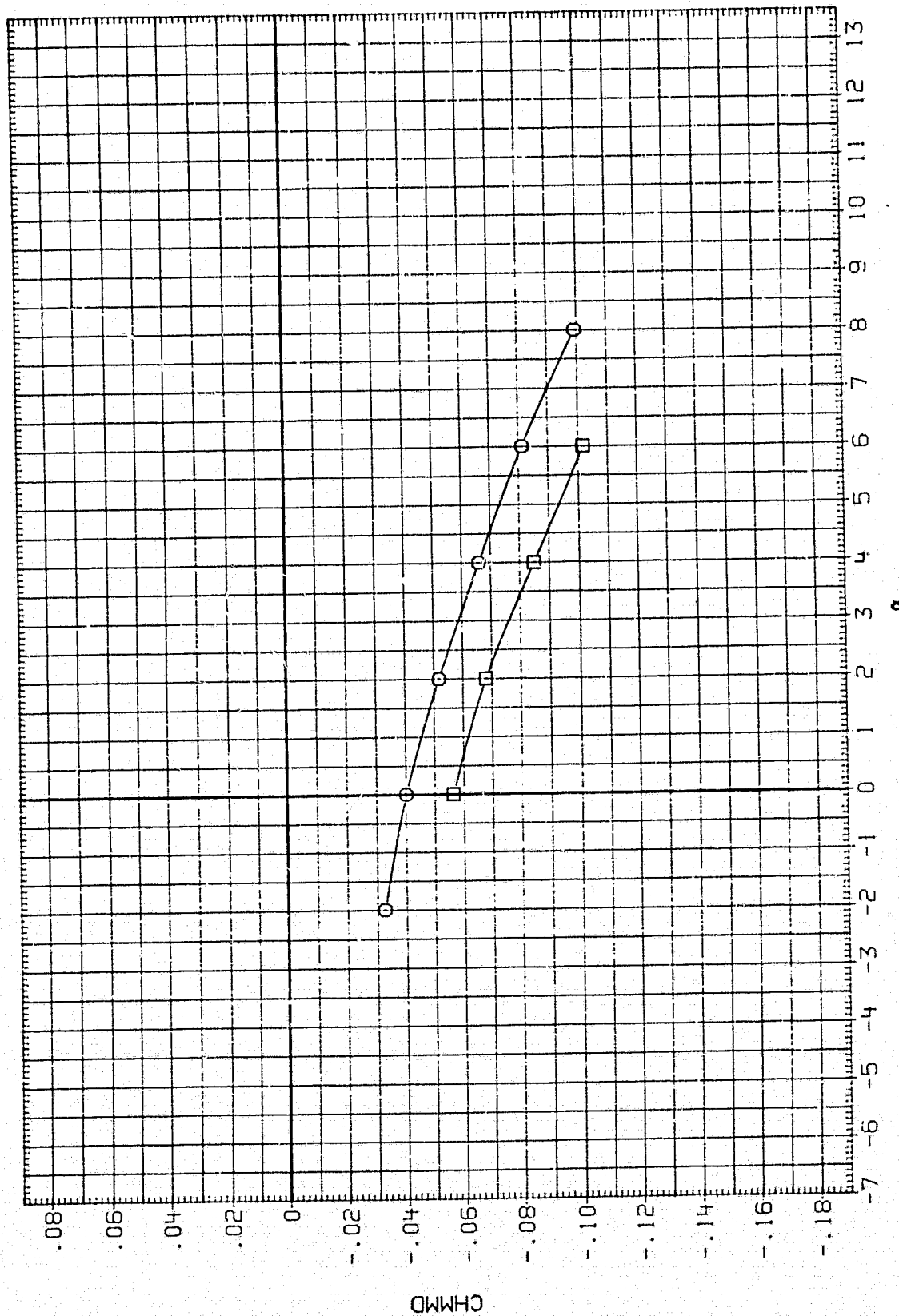


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(C) BETA = -3.00

DATA SET SYMBOL
 AFPH01
 AFPH05

CONF GURATION

0A163B B68C12G20M16N28M127E5F10V8R5X911
 0A163B B68C12G20M16N28M127E5F10V8R5X911

THETAN
 5.000
 5.000

PHI-N
 30.800
 30.800

THEIML
 5.000
 5.000

THEIMR
 5.000
 5.000

PHI-ML
 32.200
 32.200

PHI-MR
 32.200
 32.200

ELV-L
 .000
 .000

BDFLAP
 .000
 16.300

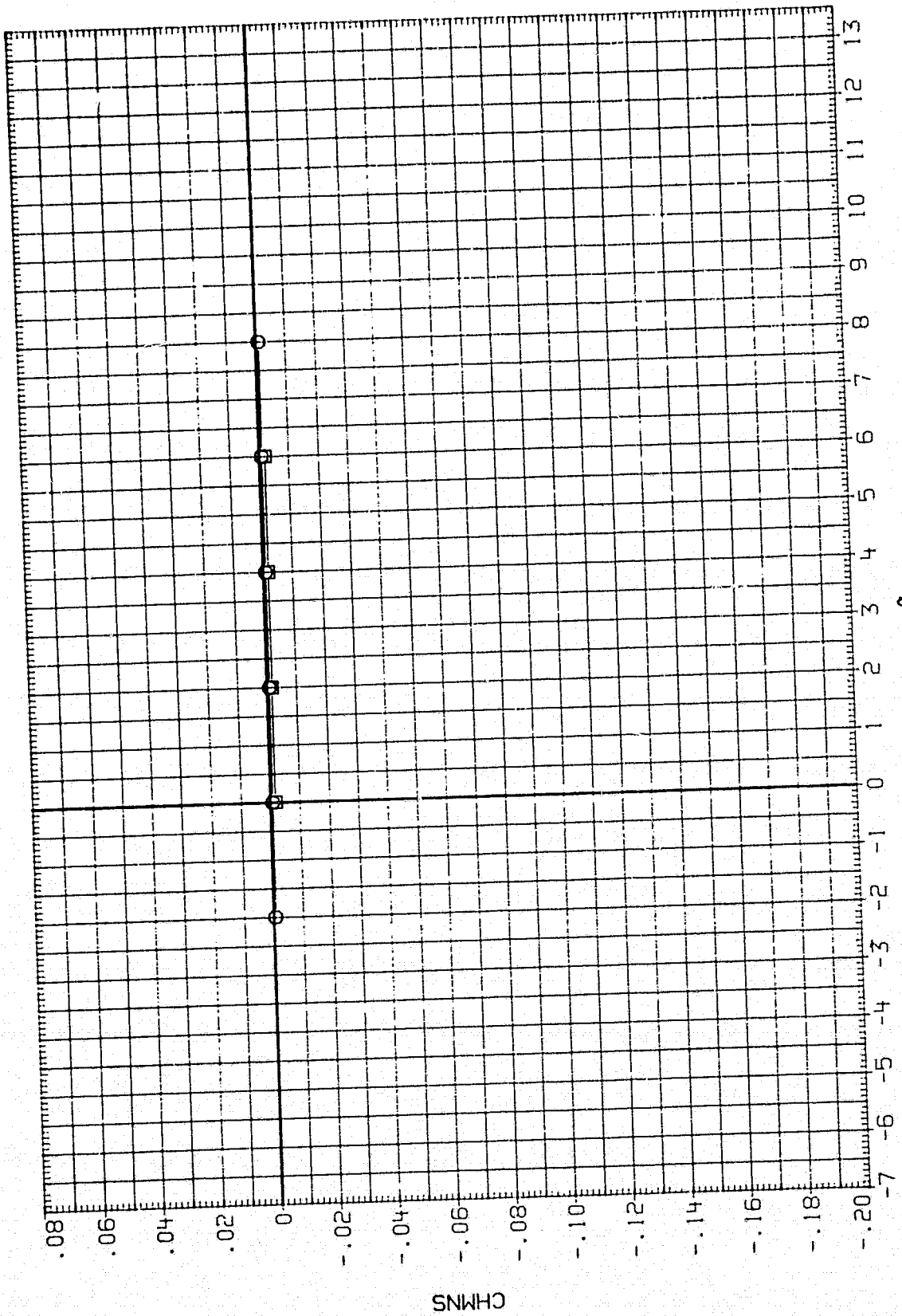


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(D) BETA = -2.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	□	0A1638	B68C12020M16N28W127E5F10VR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	□	0A1638	B68C12020M16N28W127E5F10VR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

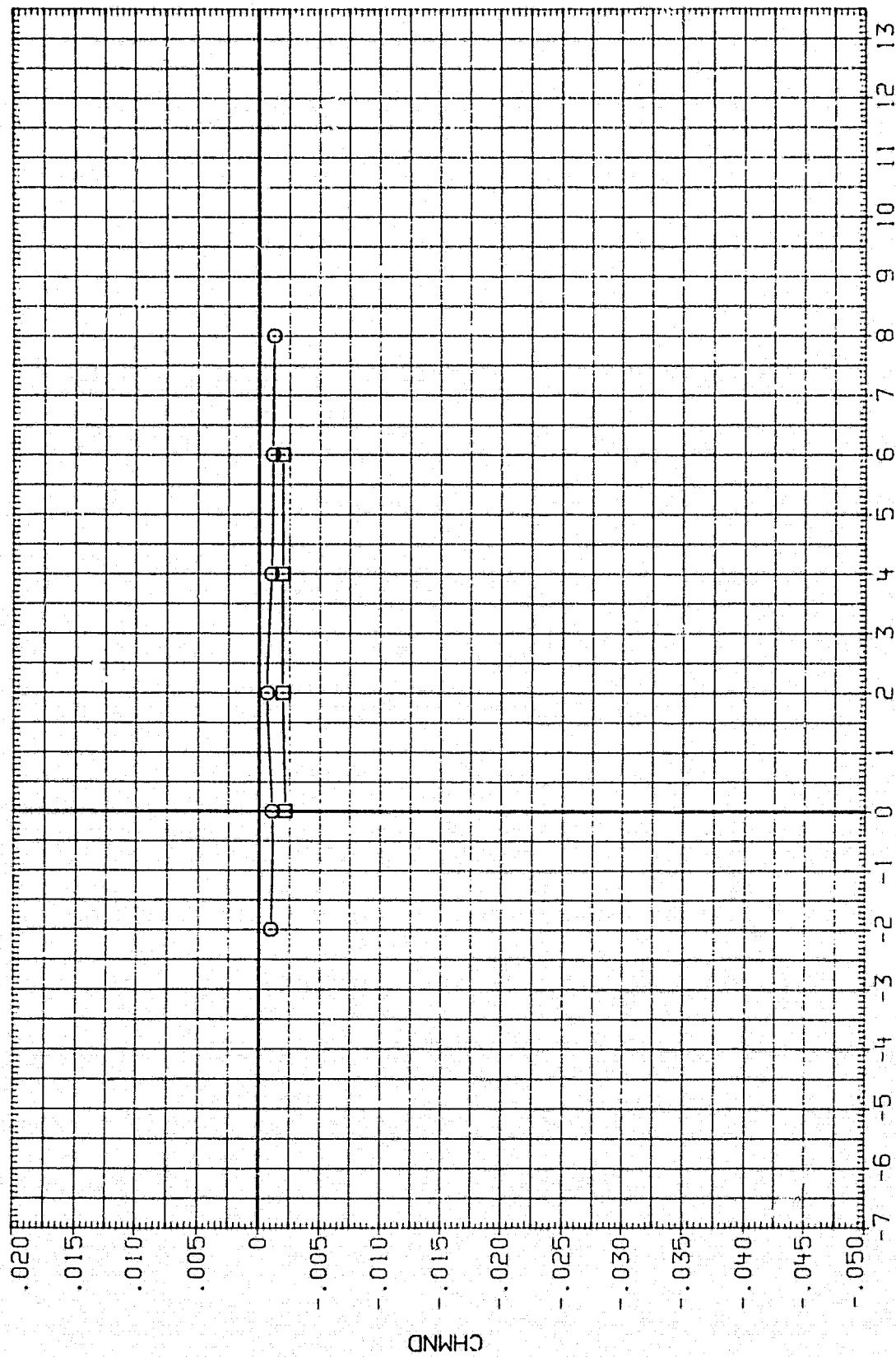


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(D) BETA = -2.00

DATA SET SYMBOL	CONF IGURAT ION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	90FLAP
AFPH01	0A163B B68C12G20M16N284127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPH06	0A163B B68C12G20M16N284127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

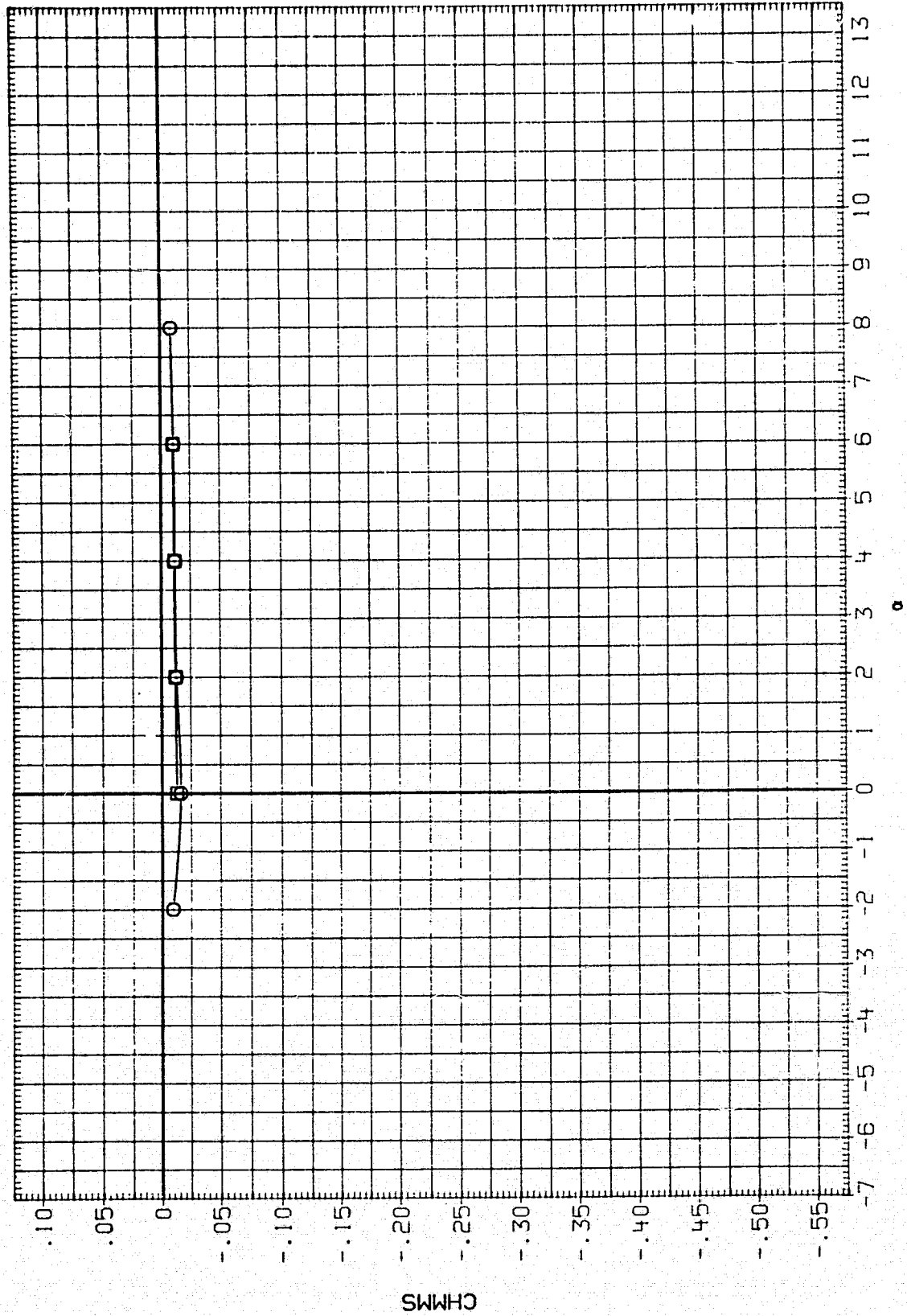


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(D)BETA = -2.00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI -N	THETML	THETMR	PHI -ML	PHI -MR	ELV-L	BDFLAP
AFPH01	0A163B B6BC12020M16N2B4127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	0A163B B6BC12020M16N2B4127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

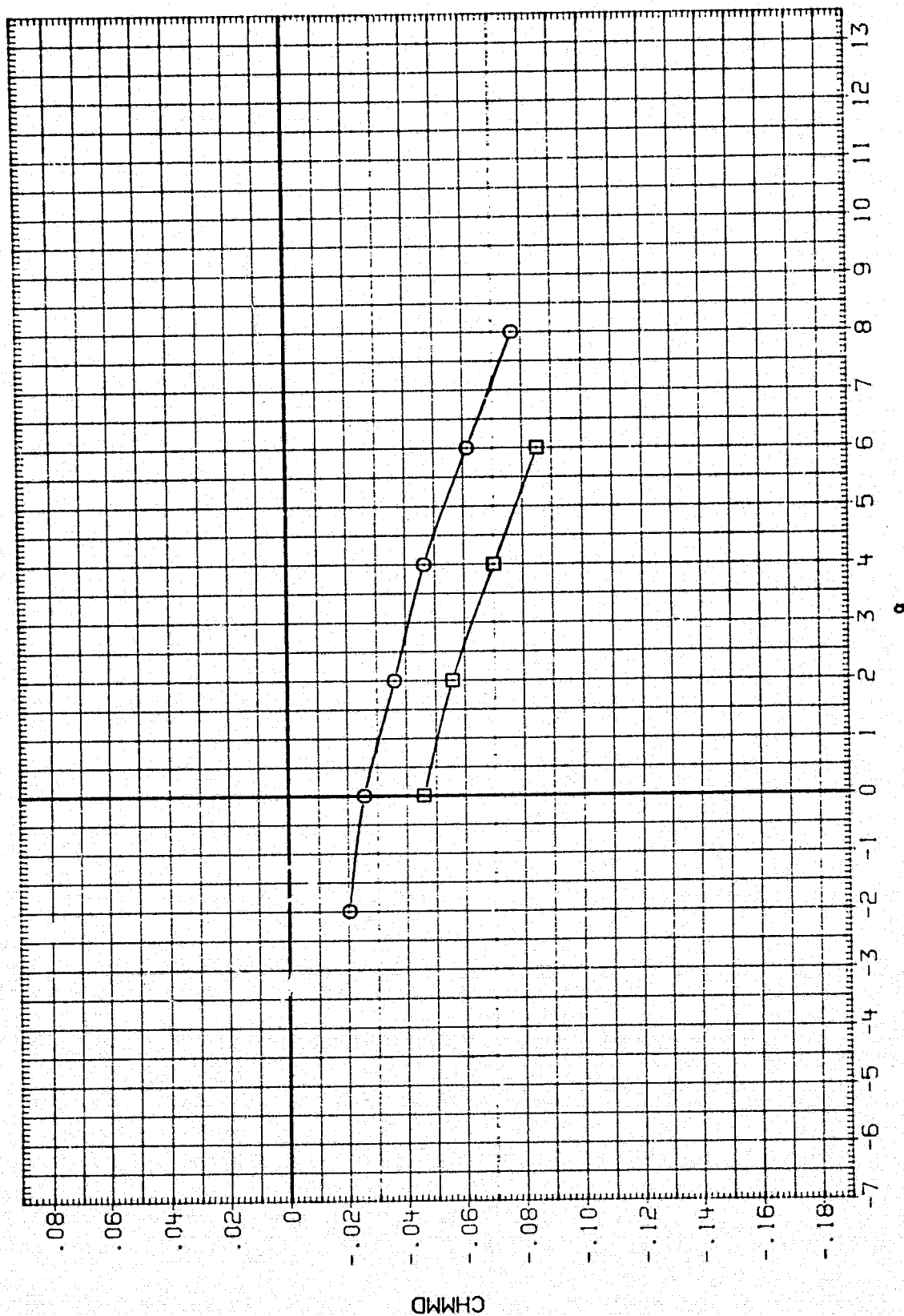


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(D)BETA = -2.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	Q	0A163B	B58C12G20M16N20K127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	Q	0A163B	B58C12G20M16N20K127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

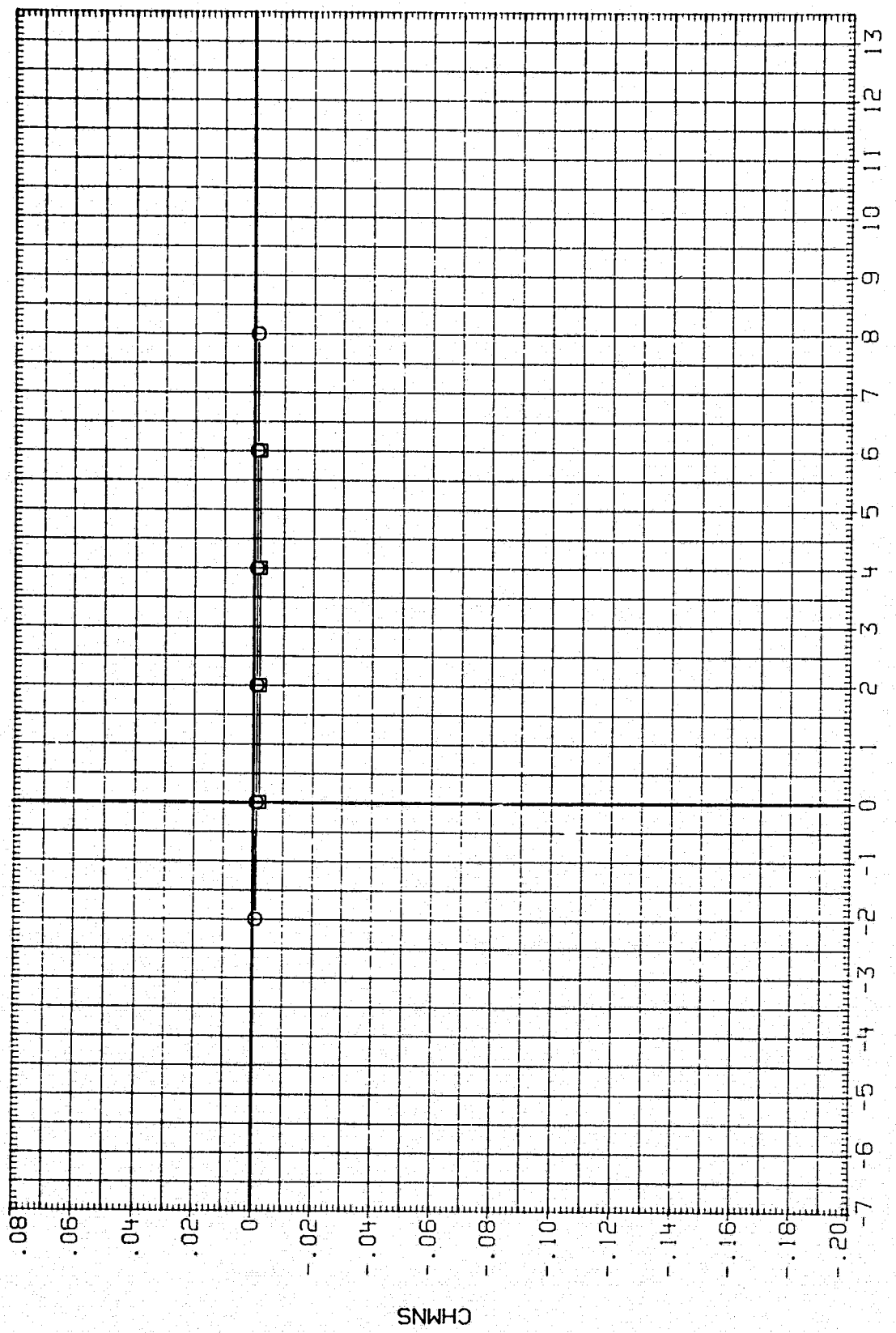


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(E)BETA = -1.00

DATA SET SYMBOL
AFPH01
AFPH06

CONFIGURATION
B6BC12G20M16N28M127E5F10V8R5X911
B6BC12G20M16N28M127E5F10V8R5X911

THETAN PHI-N THETML THETHR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

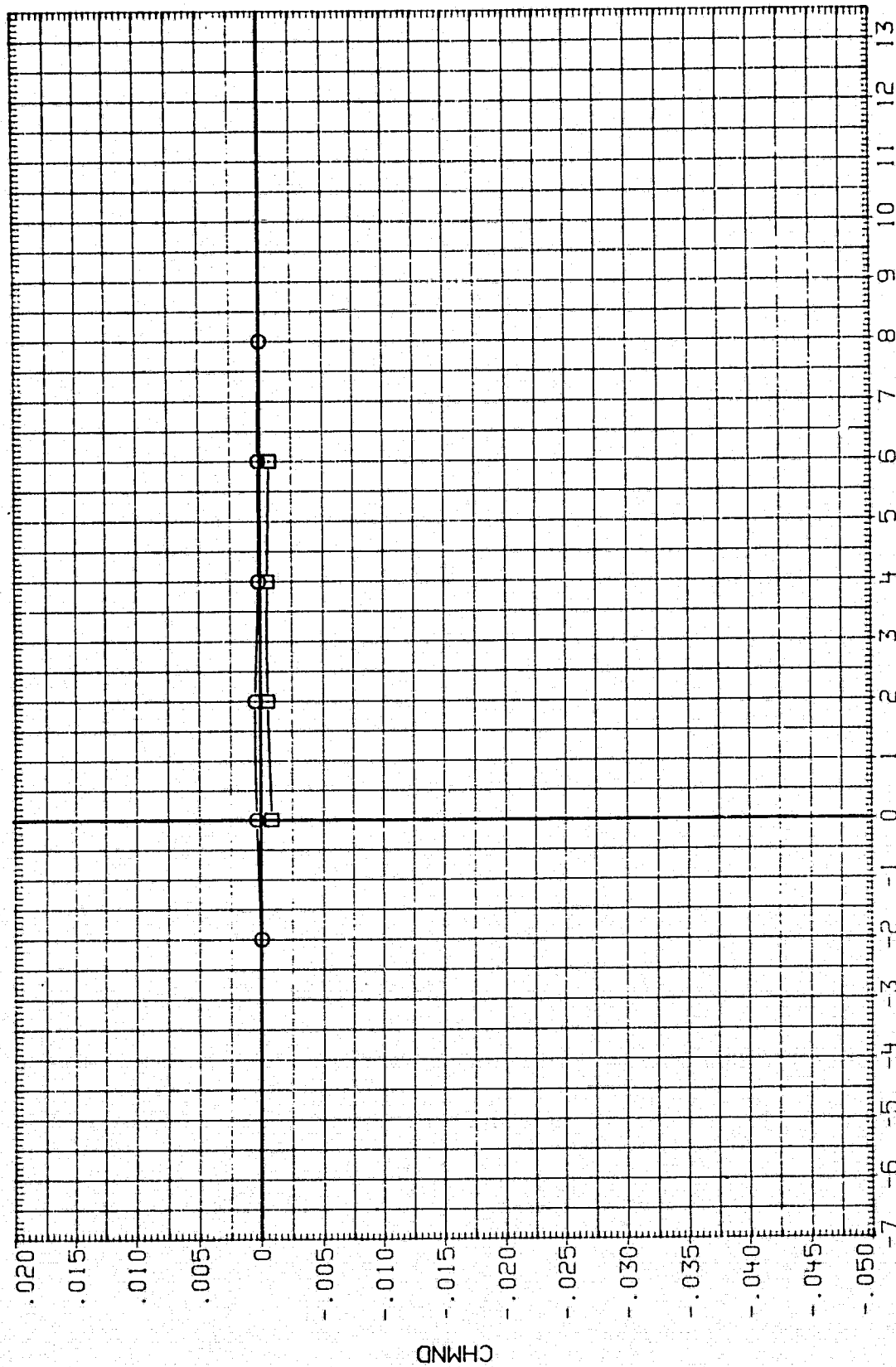


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(E)BETA = -1.00

DATA SET SYMBOL CONFIGURATION
 AFPH01 0A163B B6BC12020M16N28W127L5F10VR5X911
 AFPH05 0A163B B6BC12020M16N28W127L5F10VR5X911

THETAN PH1-N THETML THETMR PH1-ML PH1-MR ELV-L BDFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

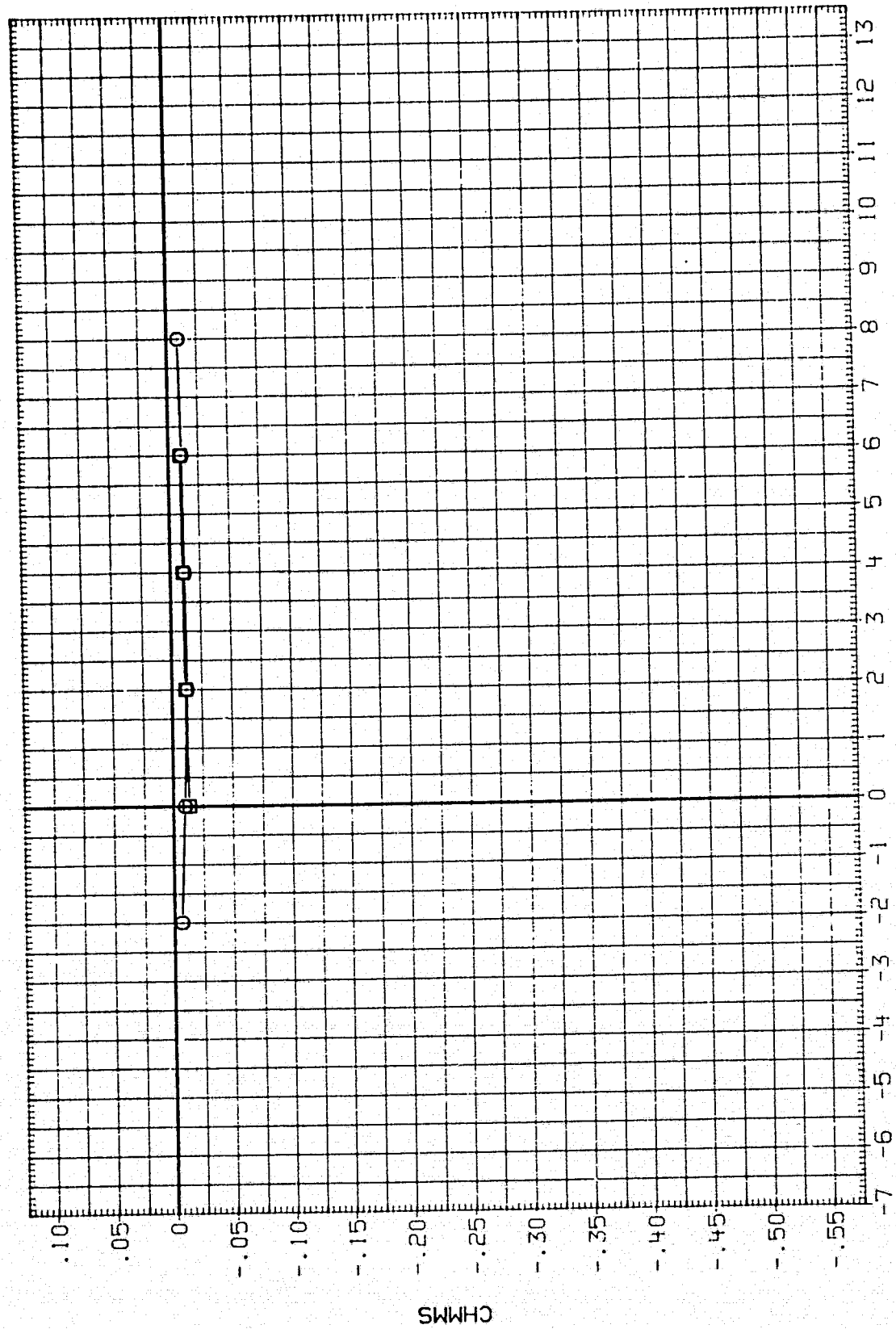


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(E)BETA = -1.00

DATA SET SYMBOL
AFPH01
AFPH06

CONF IGURATION
0A163B B68C12G20M16N28W127E5F10V8R5X911
0A163B B68C12G20M16N28W127E5F10V8R5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MP ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

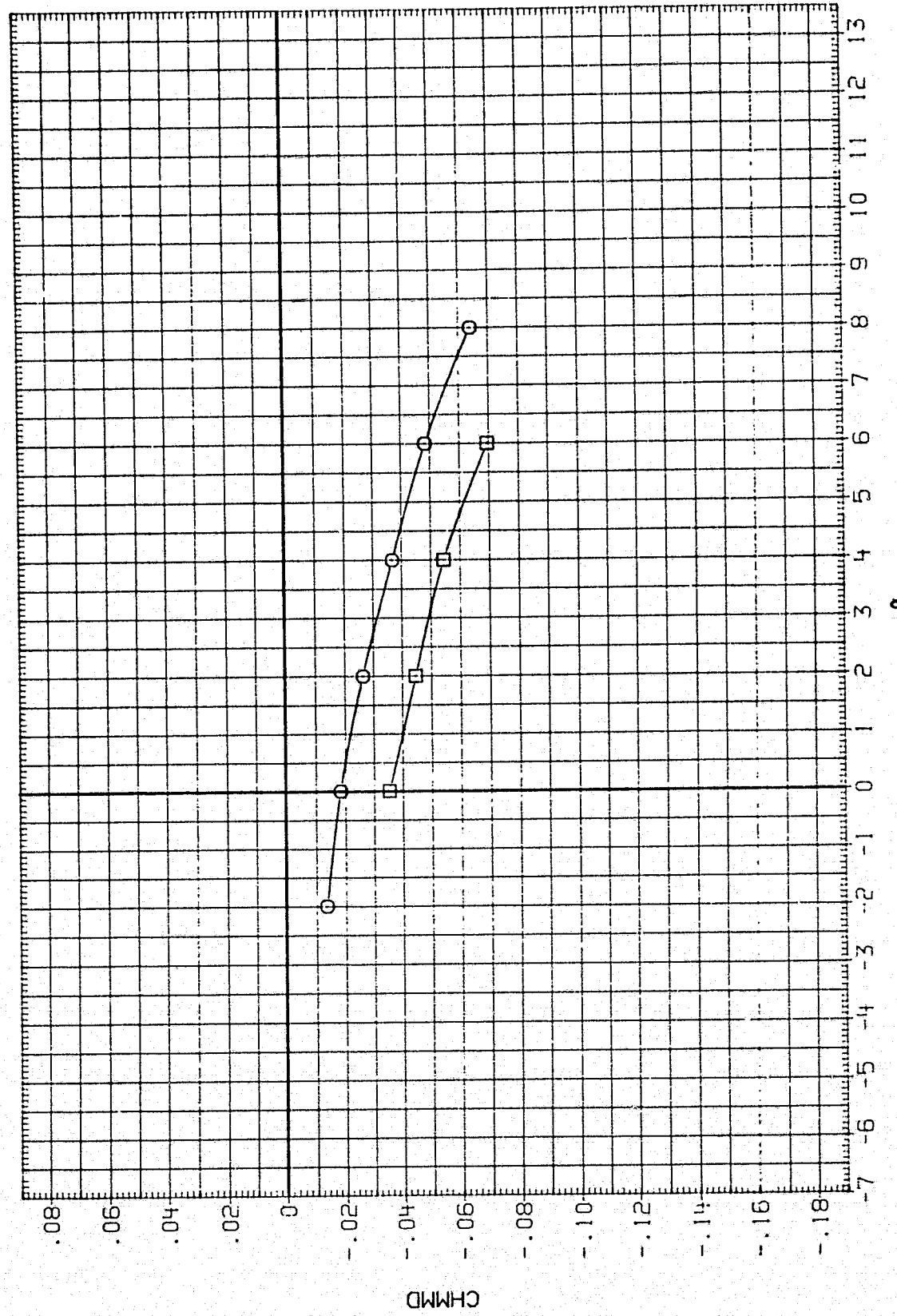


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(E)BETA = -1.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0A1633 B68C12G20M16N28W127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A163B B68C12G20M16N28W127E5F 10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

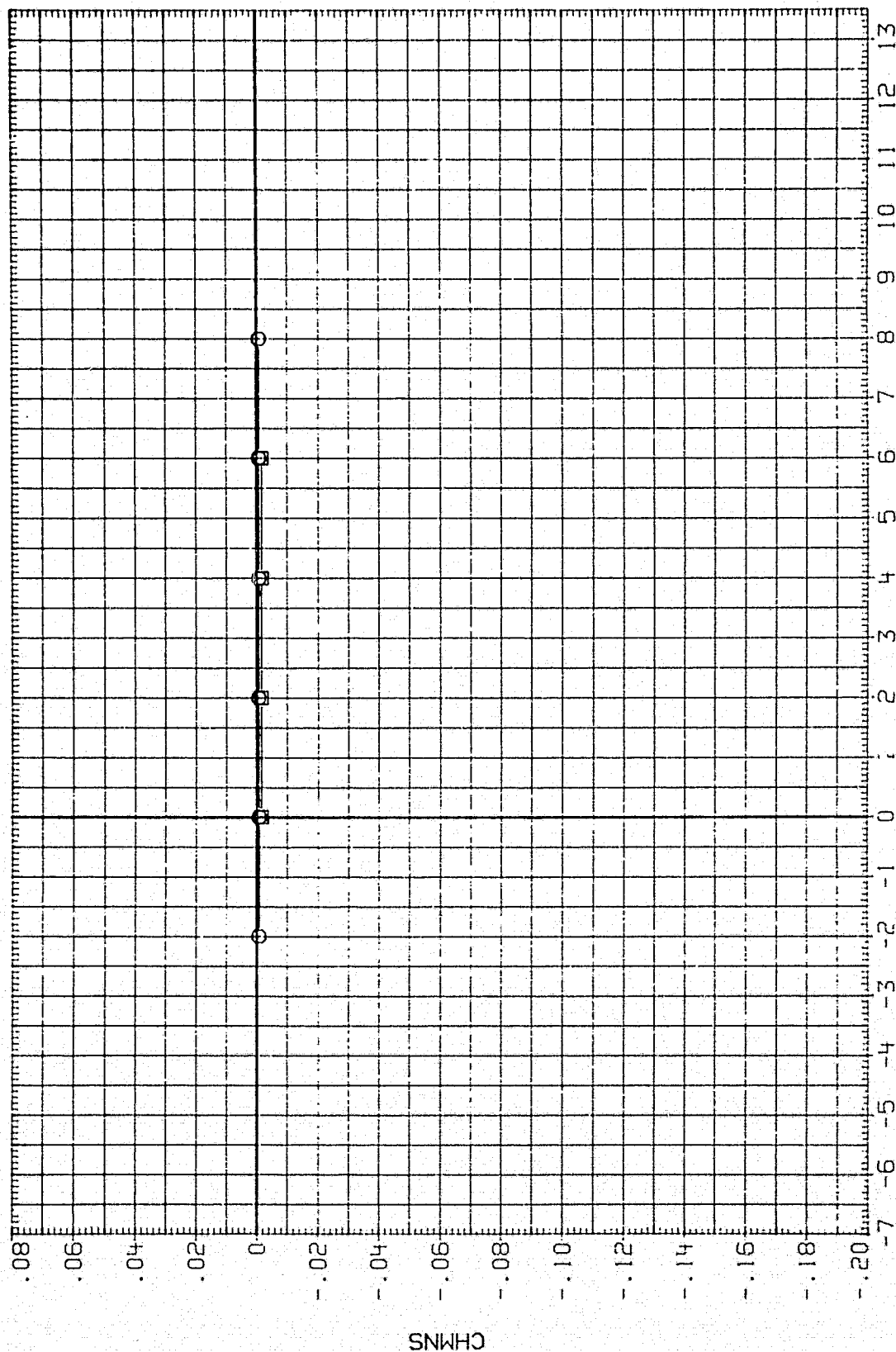


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(F)BETA = .00

DATA SET SYMBOL
AFPH01
AFPH06

CONFIGURATION

0A1638 B68C12G30M16128M127L5F10V8R5X911
0A1638 B68C12G20M16N28M127L5F10V8R5X911

THETAN PHI-N THETML THETMR PHIML PHIMR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

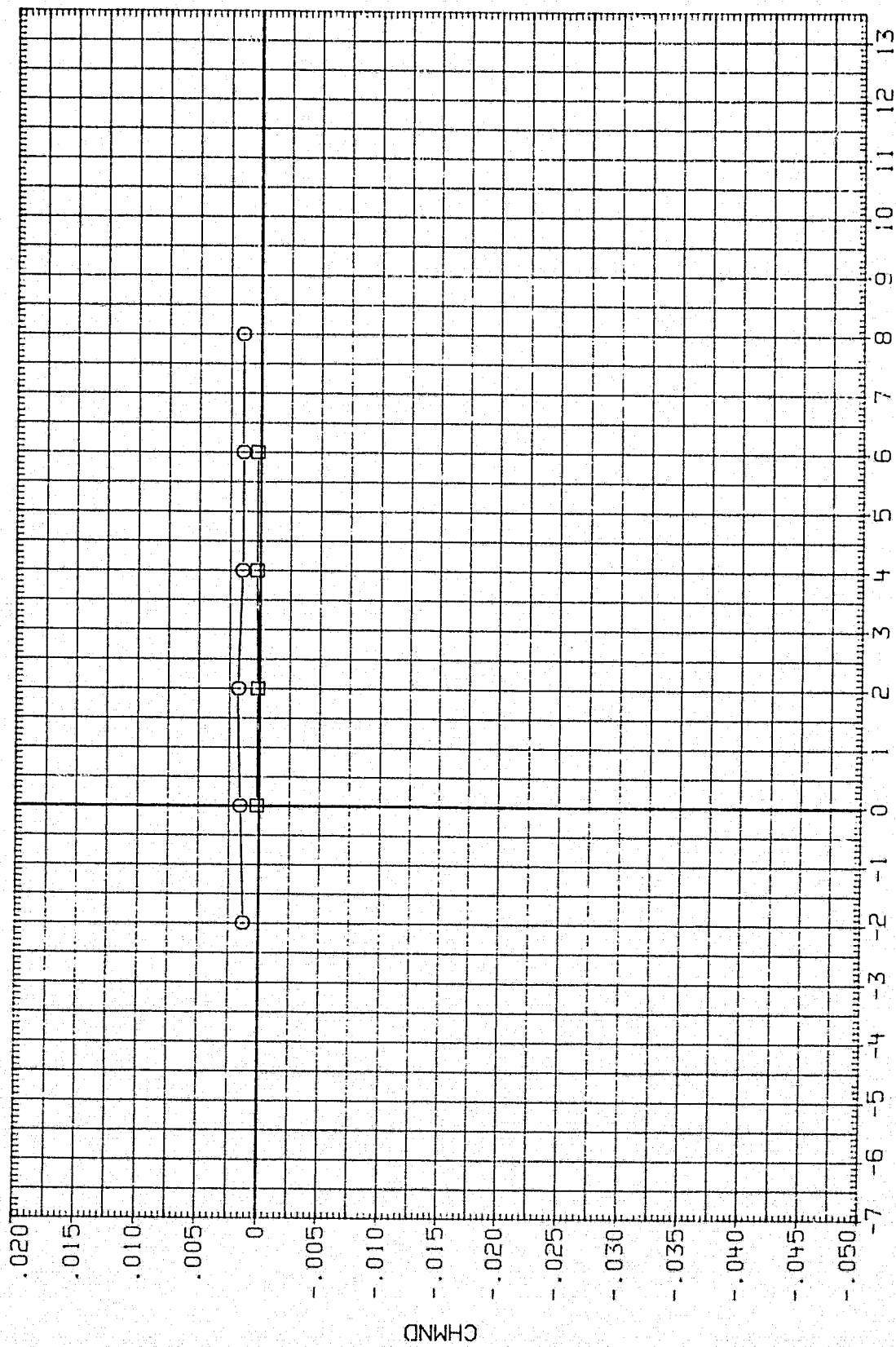


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(F)BETA = .00

DATA SET SYMBOL
 AFPH01
 AFPH06

CONFIGURATION
 0A163B B68C12620M16128M127E5F 10V8R5X911
 0A163B B68C12620M16128M127E5F 10V8R5X911

THETAN
 5.000
 5.000

PHI-N
 30.800
 30.800

THETML
 5.000
 5.000

THETMR
 5.000
 5.000

PHI-i-L
 32.200
 32.200

PHI-MR
 32.200
 32.200

ELV-L
 .000
 .000

BDFLAP
 .000
 16.300

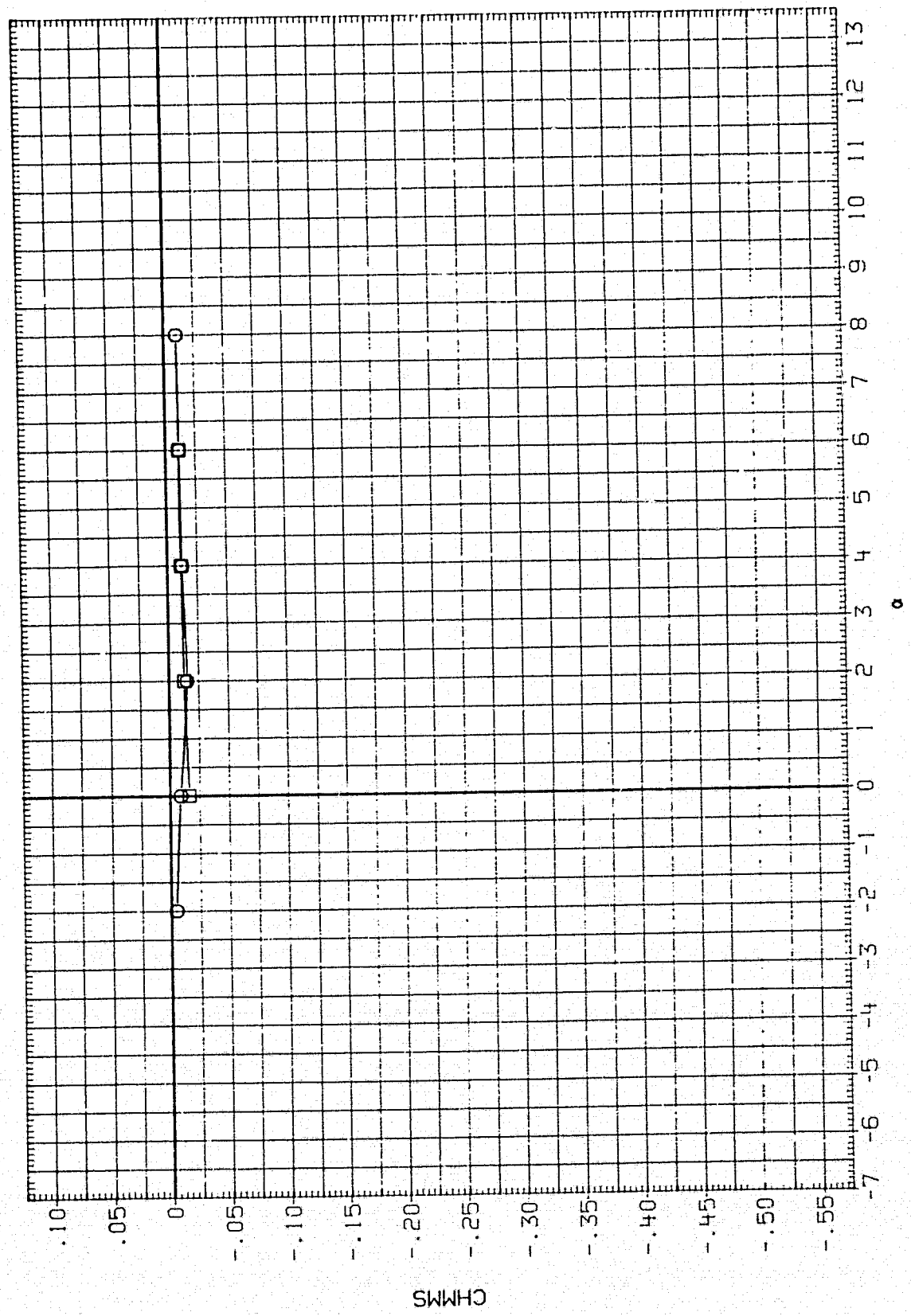


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(F)BETA = .00

DATA SET SYMBOL
AFPH01
AFPH06

CONF IGURATION
0A1638 B68C12020M16N28W127E5F10V8R5X911
0A1639 B68C12020M16N28W127E5F10V8R5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

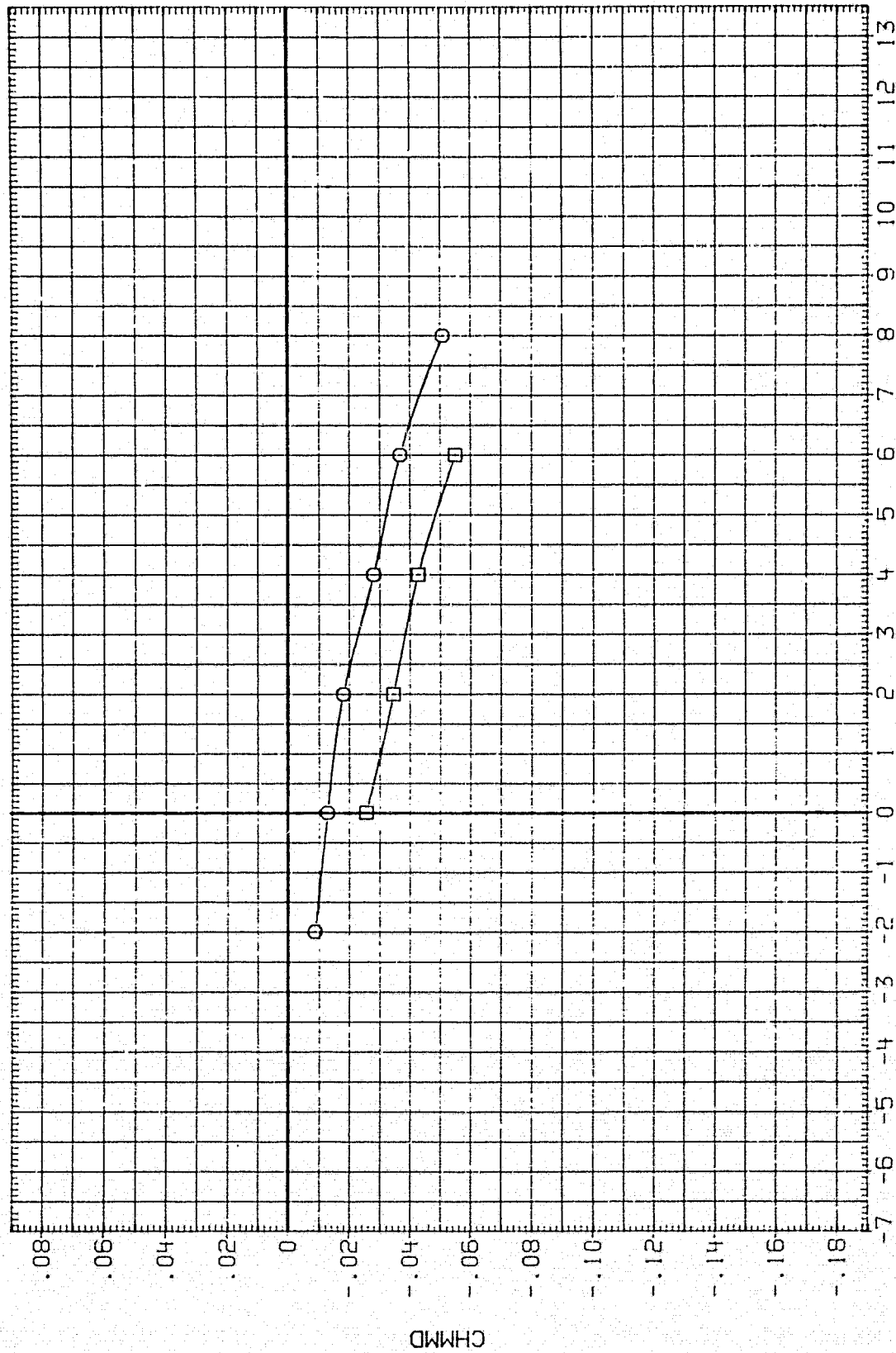


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(F) BETA = .00

DATA SET SYMBOL CONFIGURATION
 AFPH01 O 0A1638 B68C12G20M16N28H127E5F10V8R5X911
 AFPH06 □ 0A1638 B68C12G20M16N28H127E5F10V8R5X911

THETAN PHI-N THEIML THETMR PHI-ML PHI-MR ELV-L BOFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 .000 16.500

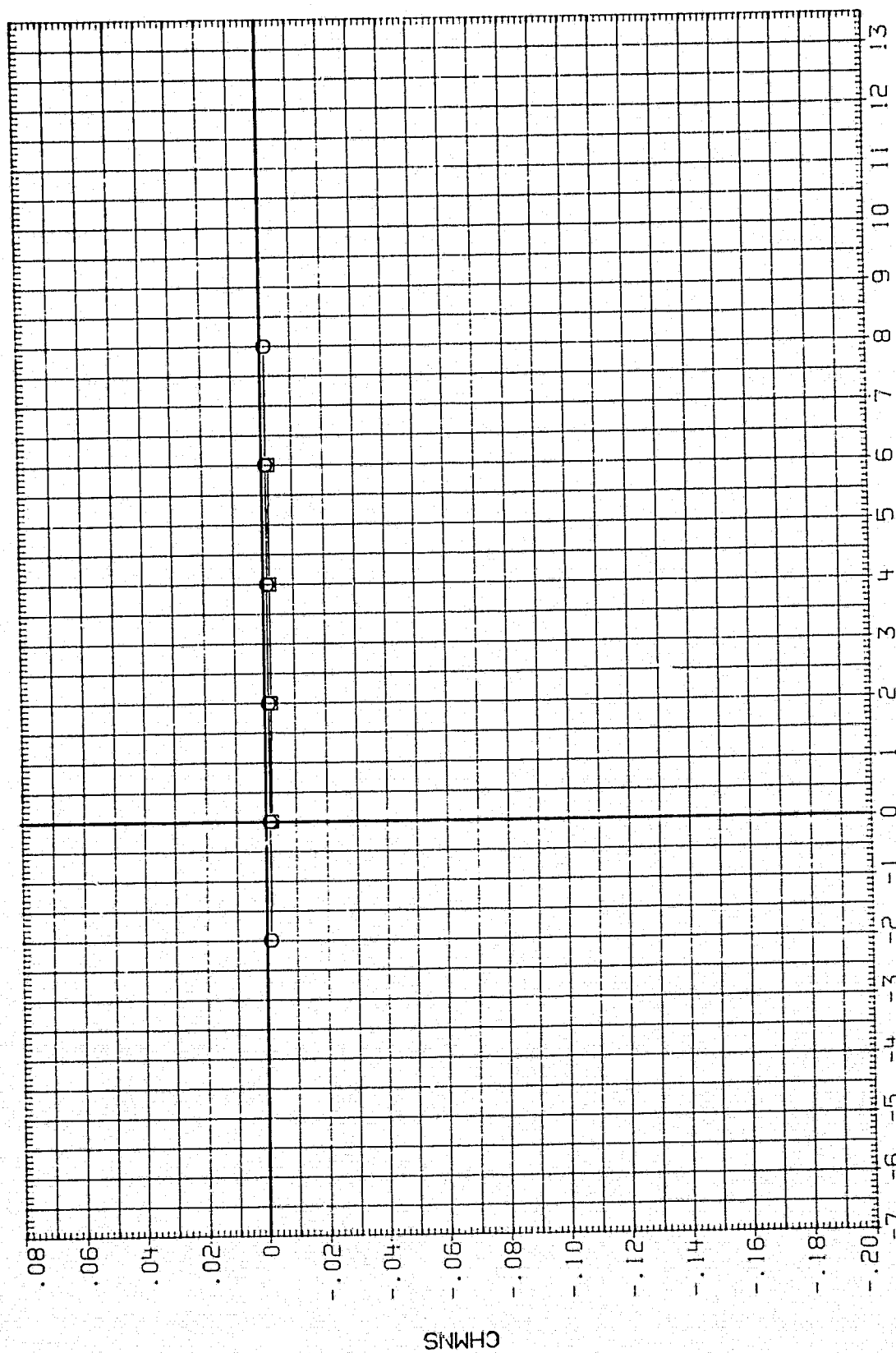


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(G)BETA = 1.00

DATA SET SYMBOL CONFIGURATION THE TAN PHI - N THE TML THE TMR PHI - ML PHI - MR ELV - L BDF LAP

AFPH01 0A163B 868C12020M16N28W127L5F 10V8R5X911 5.000 30.800 5.000 5.000 32.200 32.200 .000 .000

AFPH06 0A163B 868C12020M16N28W127L5F 10V8R5X911 5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

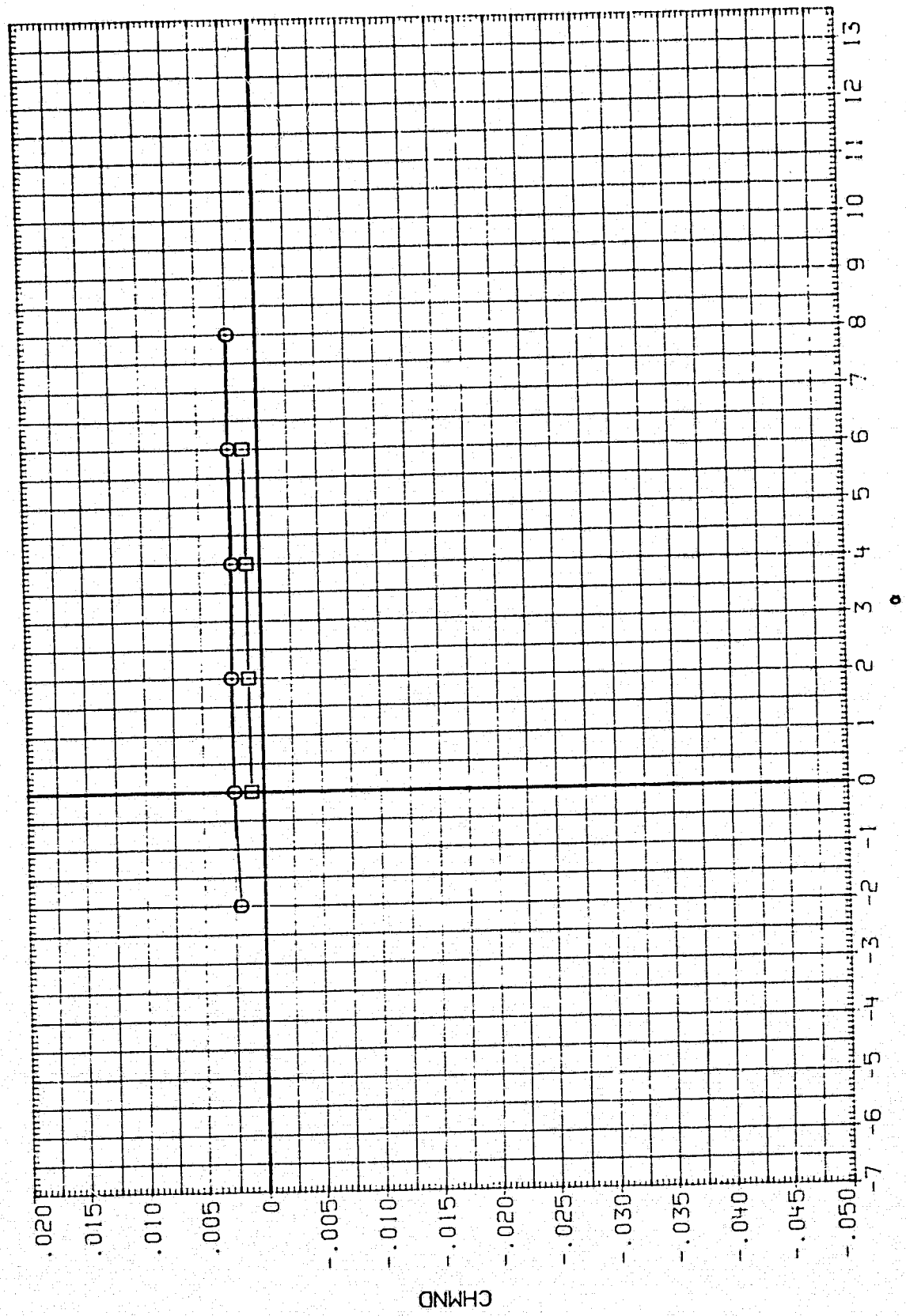


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(G)BETA = 1.00

DATA SET SYMBOL
AFPH01
AFPH06

CONFIGURATION

0A1638 B68C12C20M16H28M127E5F10V8R5X911
0A1638 B68C12C20M16H28M127E5F10V8R5X911

THETAN	PHI-N	THEIML	THEIMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
5.000	30.800	5.000	5.000	32.200	32.200	.000	15.300

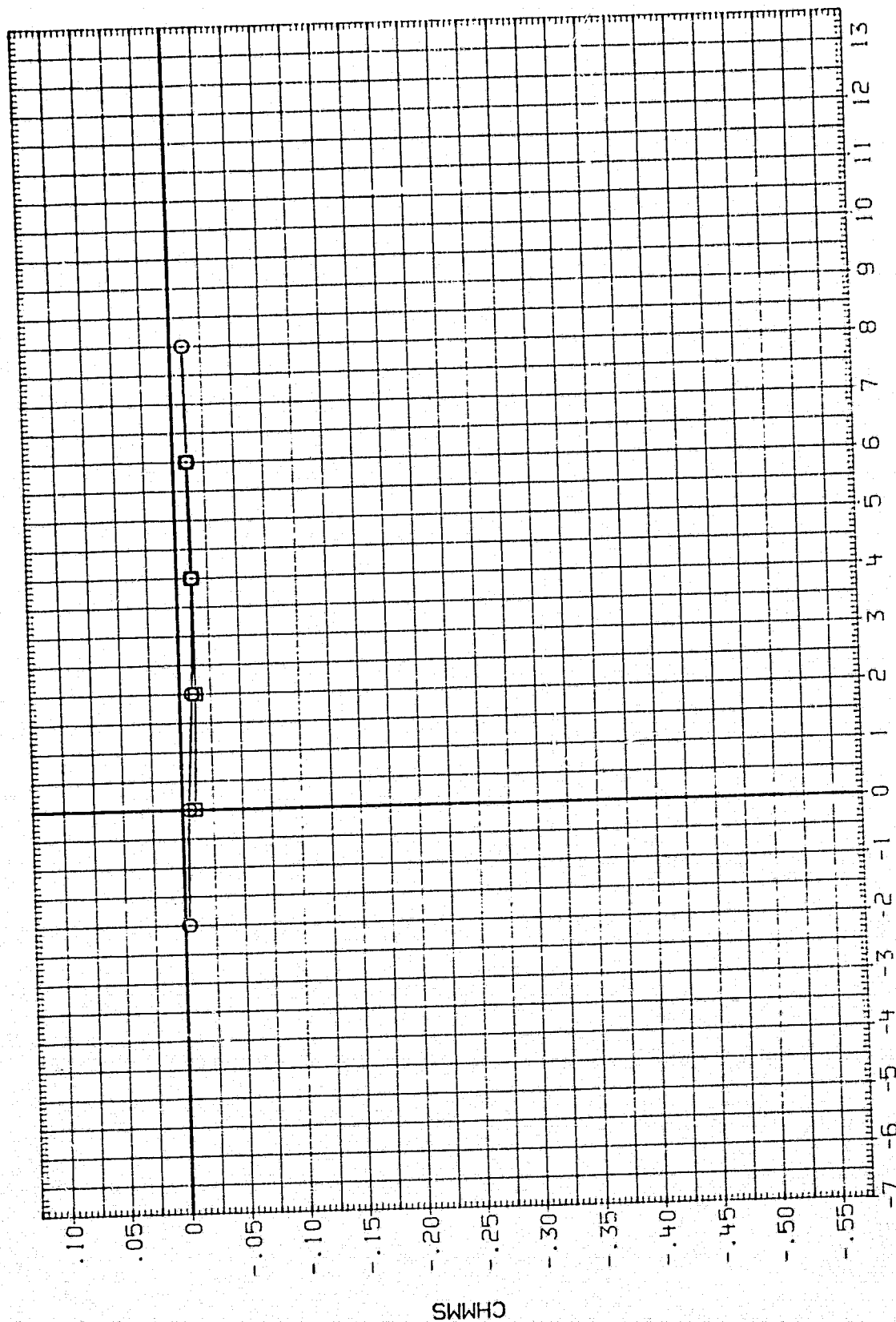


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(G)BETA = 1.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	9DFLAP
AFPH01	0A163B B6RC12G20M16N28M127E5F10V8REX911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A163B B6RC12G20M16N28M127E5F10V8H5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

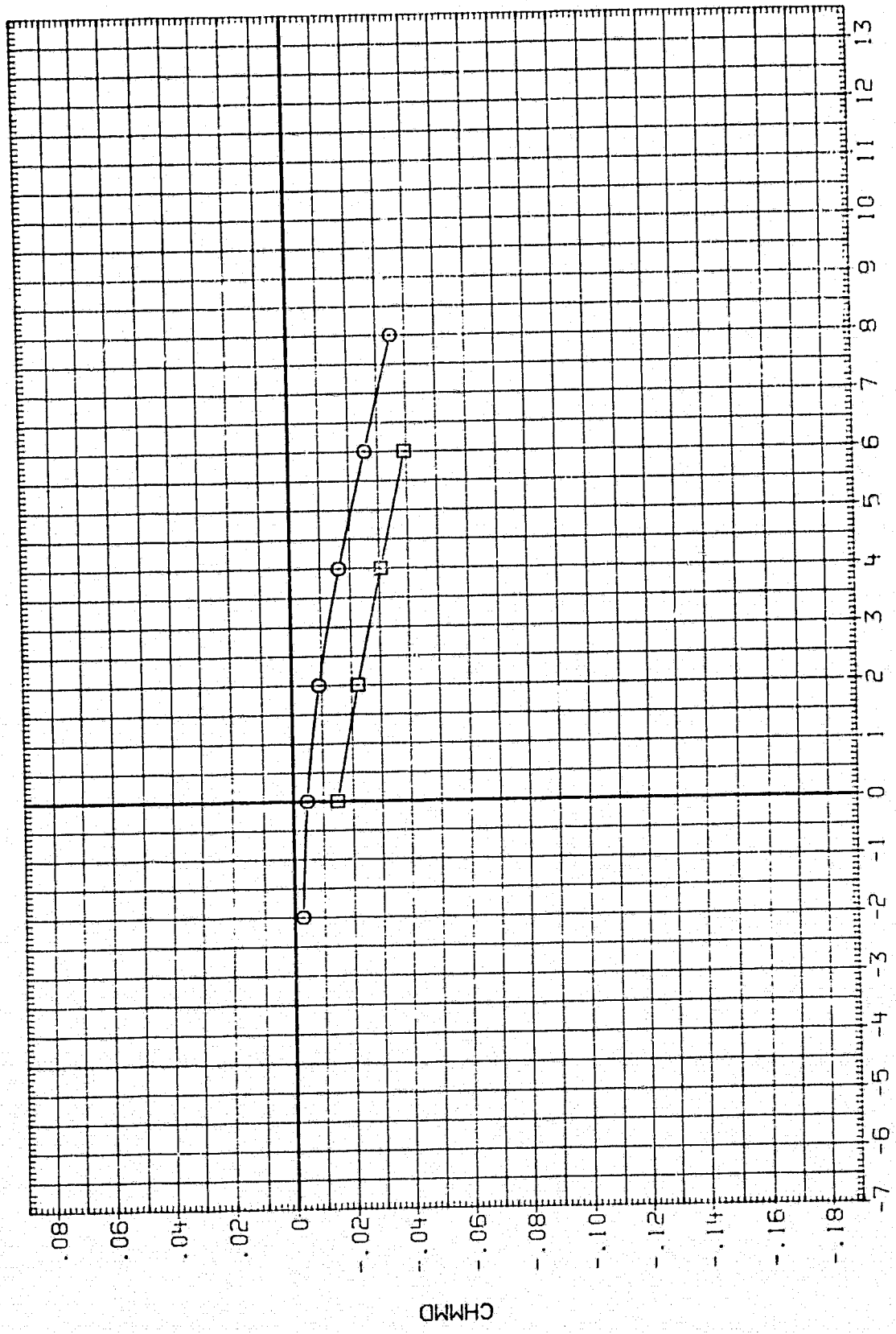


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(G)BETA = 1.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0A163B 868C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	0A163B 868C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

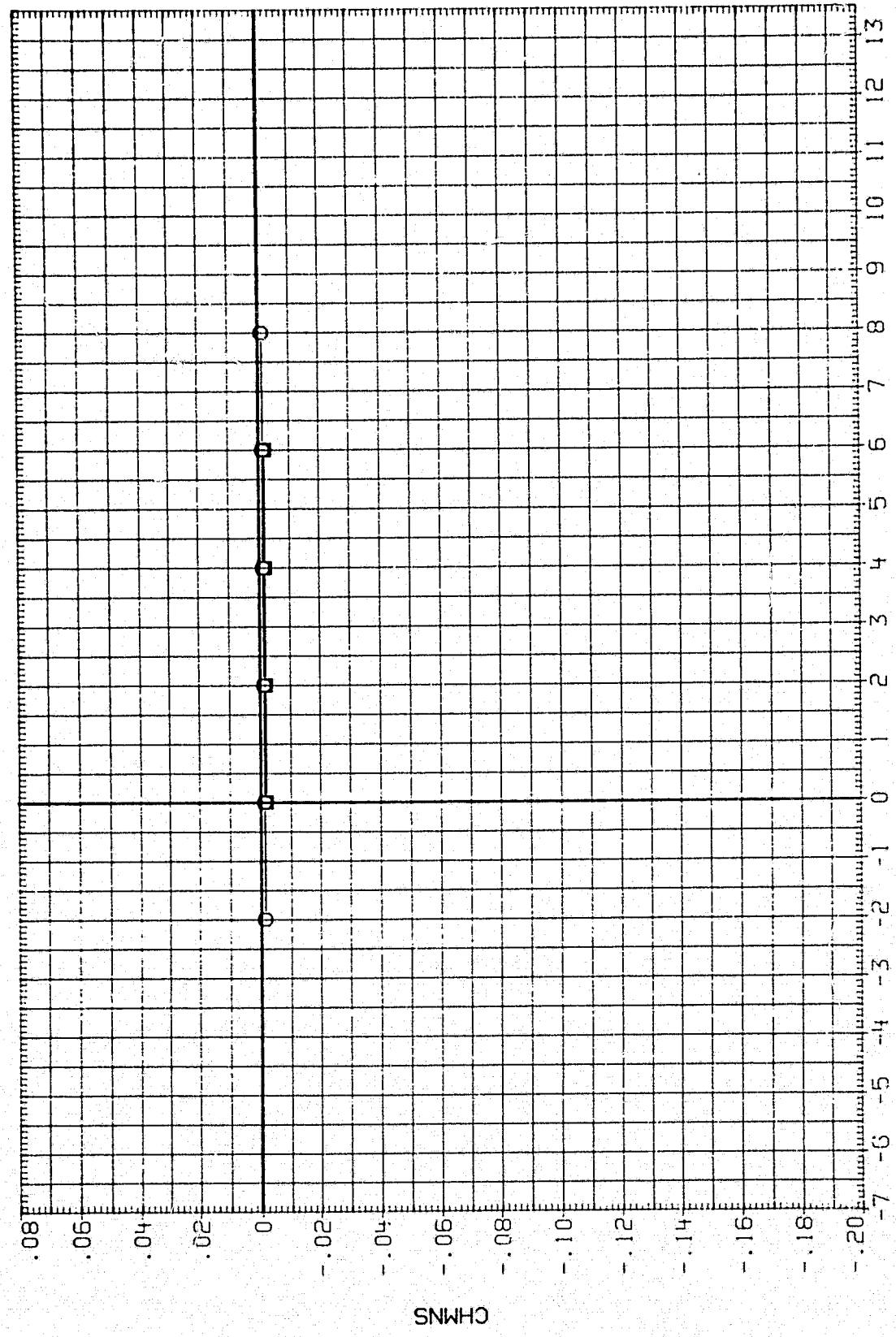


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(H)BETA = 2.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
AFPH01	0A163B B66C12G20M16N28M127E5F10Y8RSX911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH05	0A163B B66C12G20M16N28M127E5F10Y8RSX911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

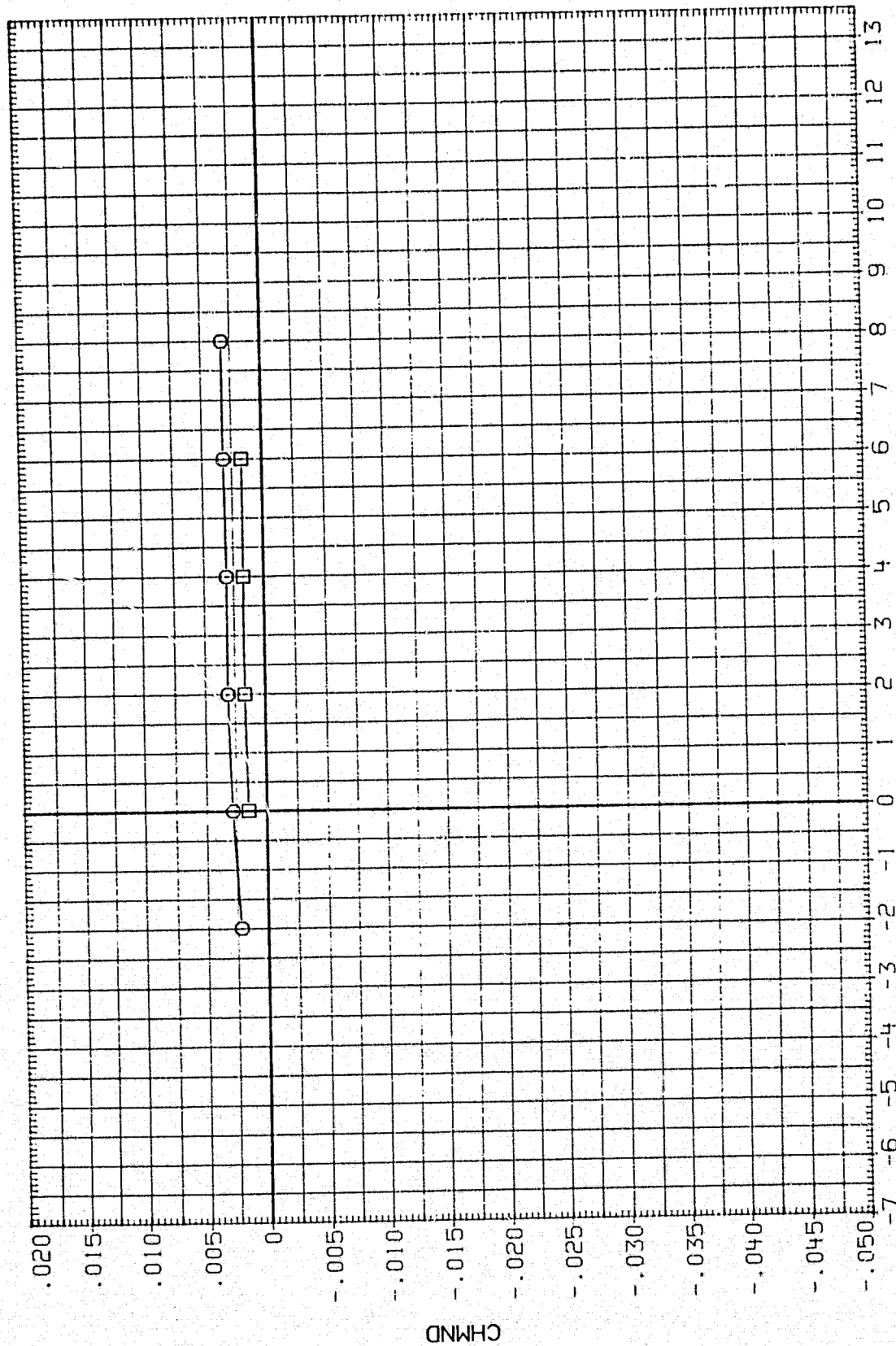


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(H)BETA = 2.00

DATA SET SYMBOL	CONF GURATION	THETAN	PHI-N	THETML	THETMP	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0A163B B68C12G20M16N28W127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	0A163B B68C12G20M16N28W127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

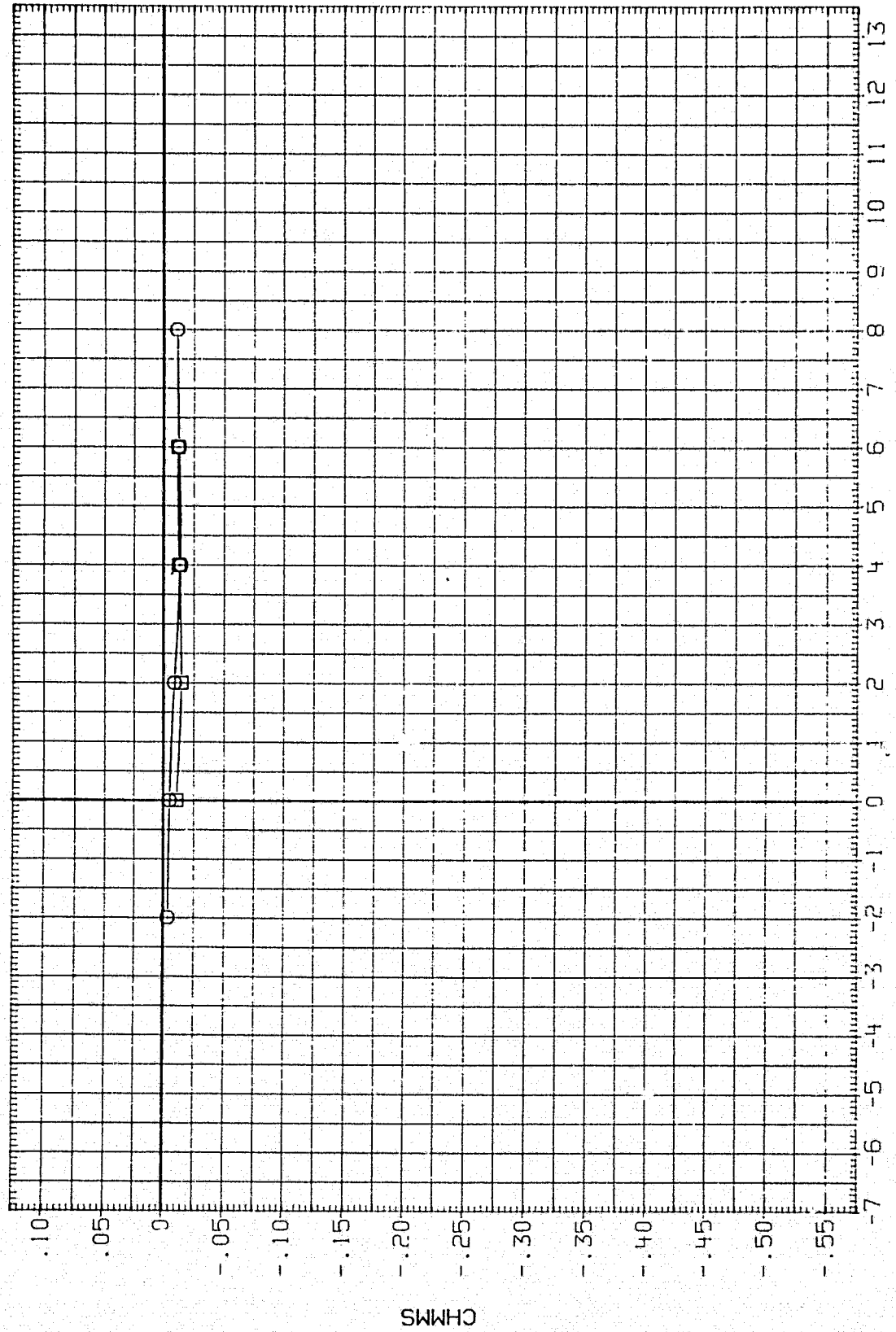


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

DATA SET SYMBOL
 AFPH01
 AFPH06

CONFIGURATION

0A163B B68C12G20M16N28M127E5F10V8RSX911
 0A163B B68C12G20M16N28M127E5F10V8RSX911

THETAN 5.000 5.000
 PHI-N 30.800 30.800
 THETML 5.000 5.000
 PHI-ML 32.200 32.200
 THETMR 5.000 5.000
 PHI-MR 32.200 32.200
 ELV-L .000 .000
 BDFLAP .000 16.300

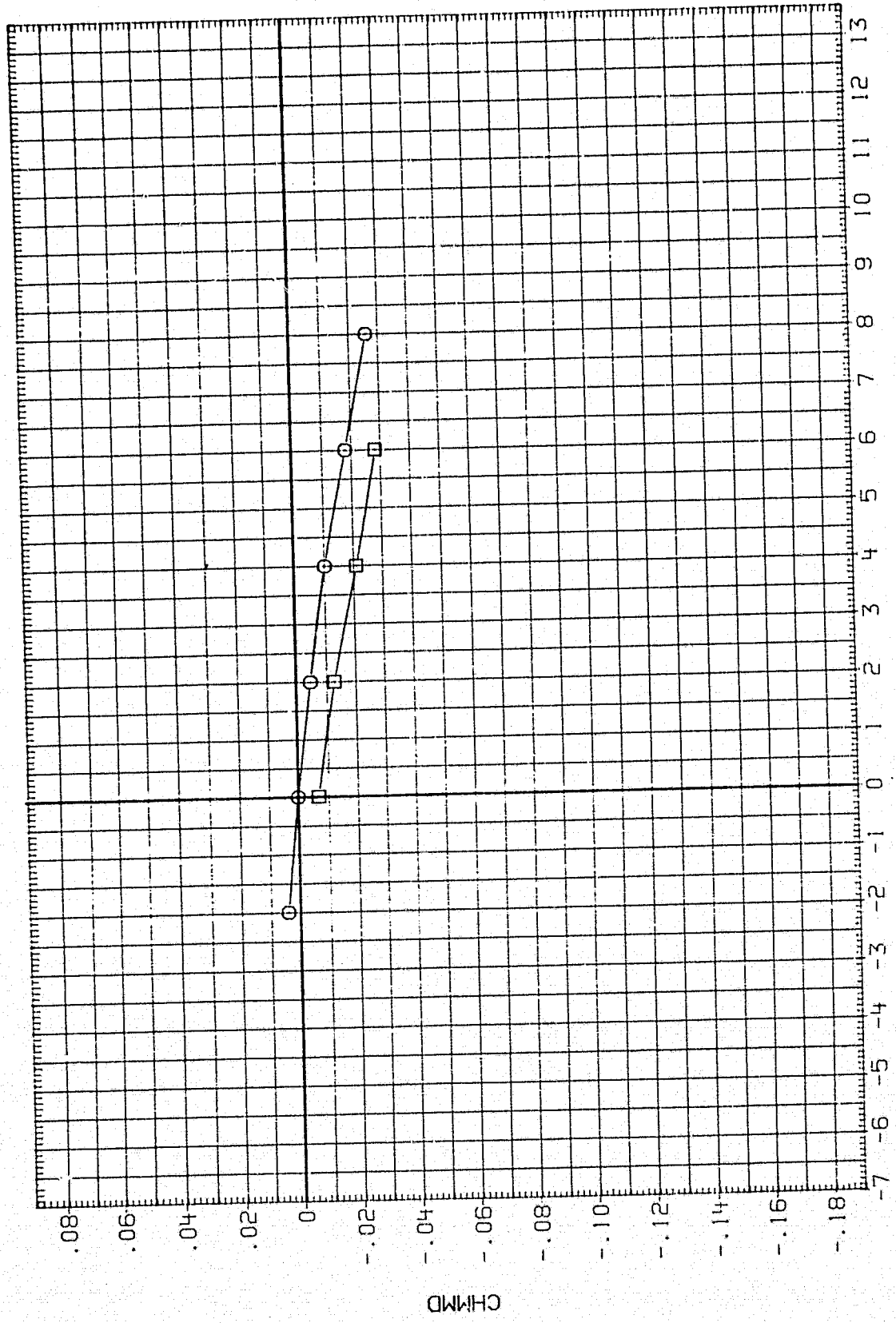


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(H)BETA = 2.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	□	0A163B	B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	□	0A163B	B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

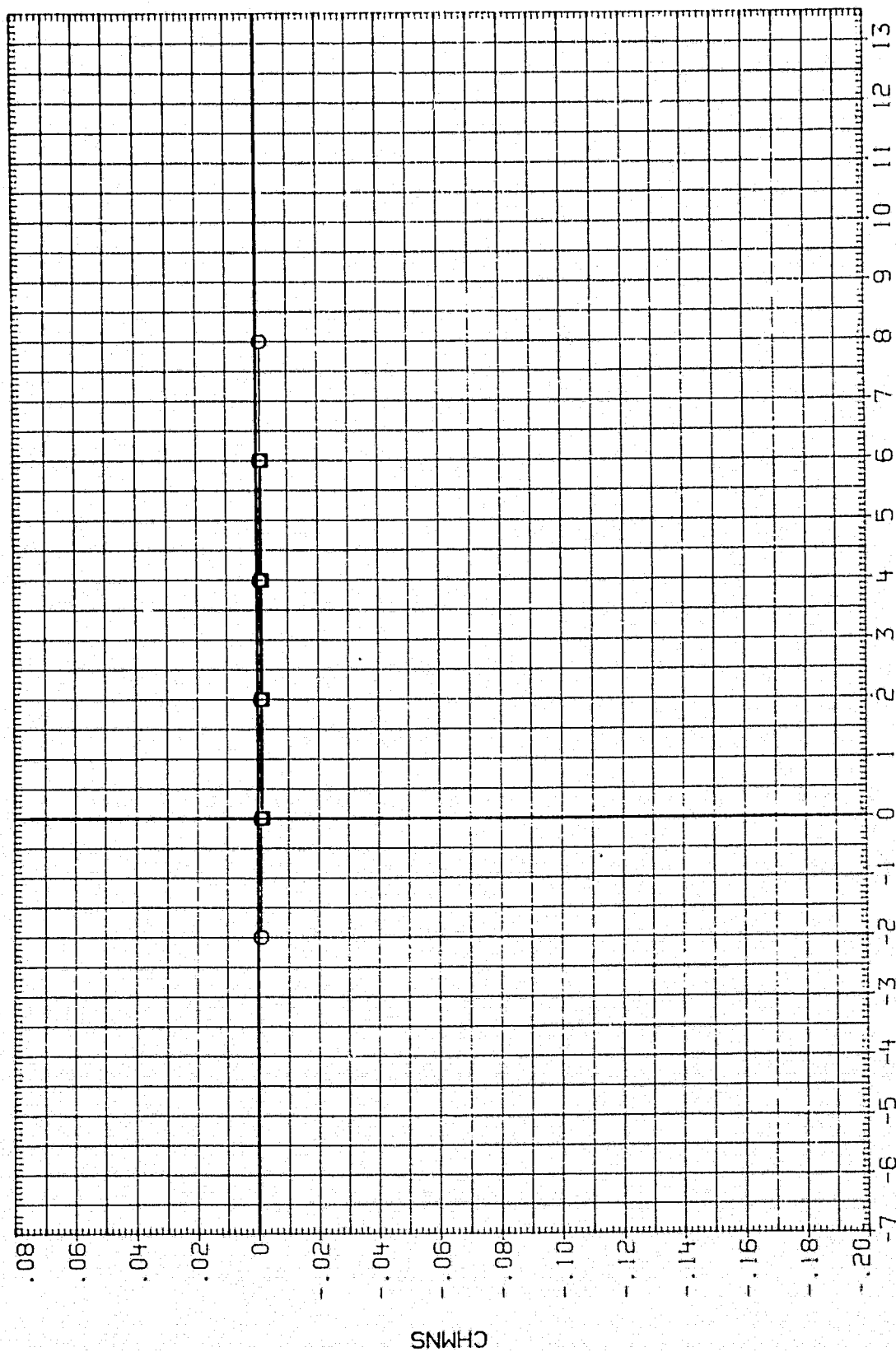


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(1) BETA = 3.00

DATA SET SYMBOL
AFPH01
AFPH05

CONFIGURATION

0A163B B56C12G20M16N28H127E5F 10V8P5X911
0A163B B56C12G20M16N28H127E5F 10V8P5X911

THETAN PHI-N THETML THETHR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

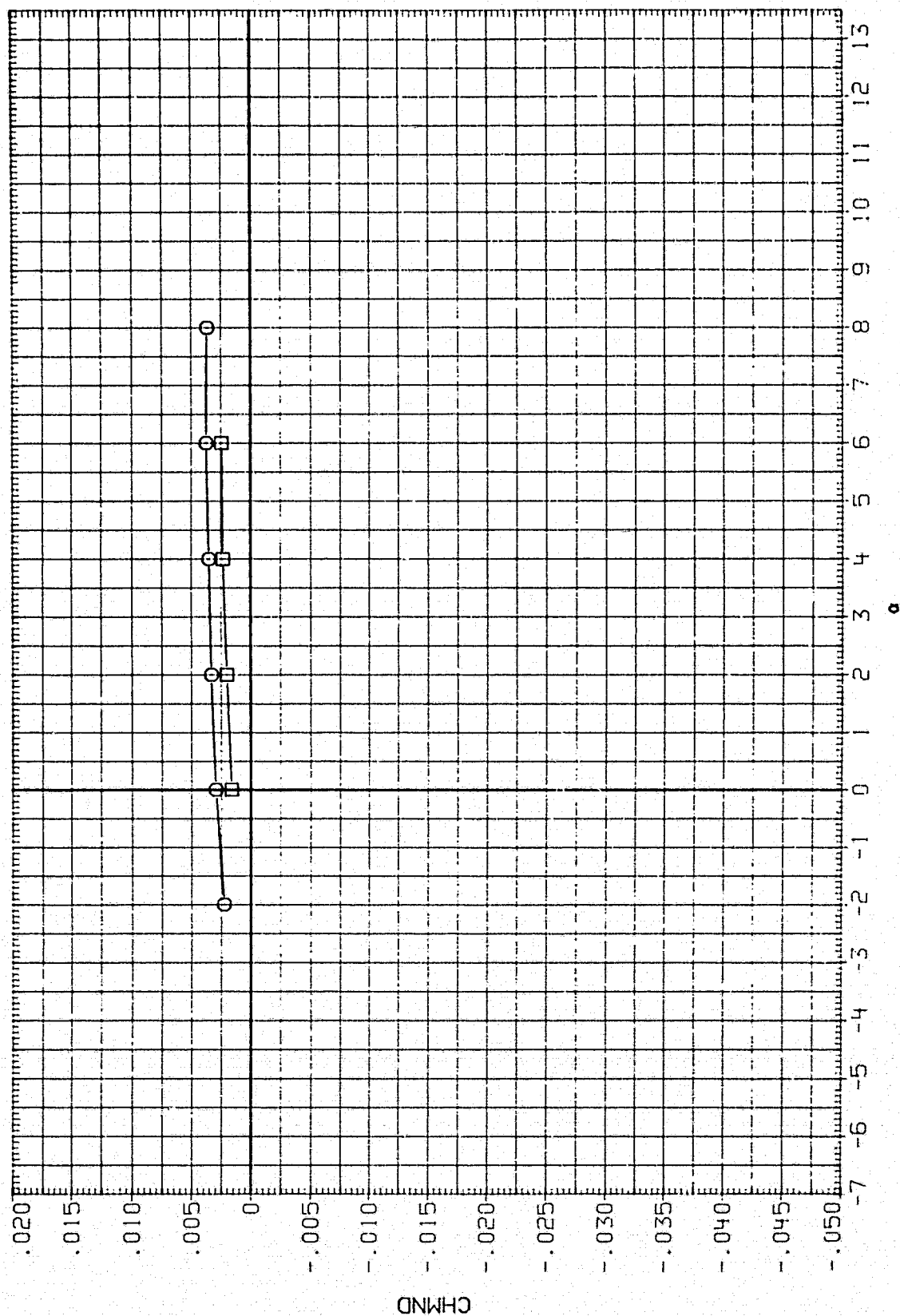


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(1)BETA = 3.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDELAP
AFPH01	○	0A163B	B68C12020M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	□	0A163B	B68C12020M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

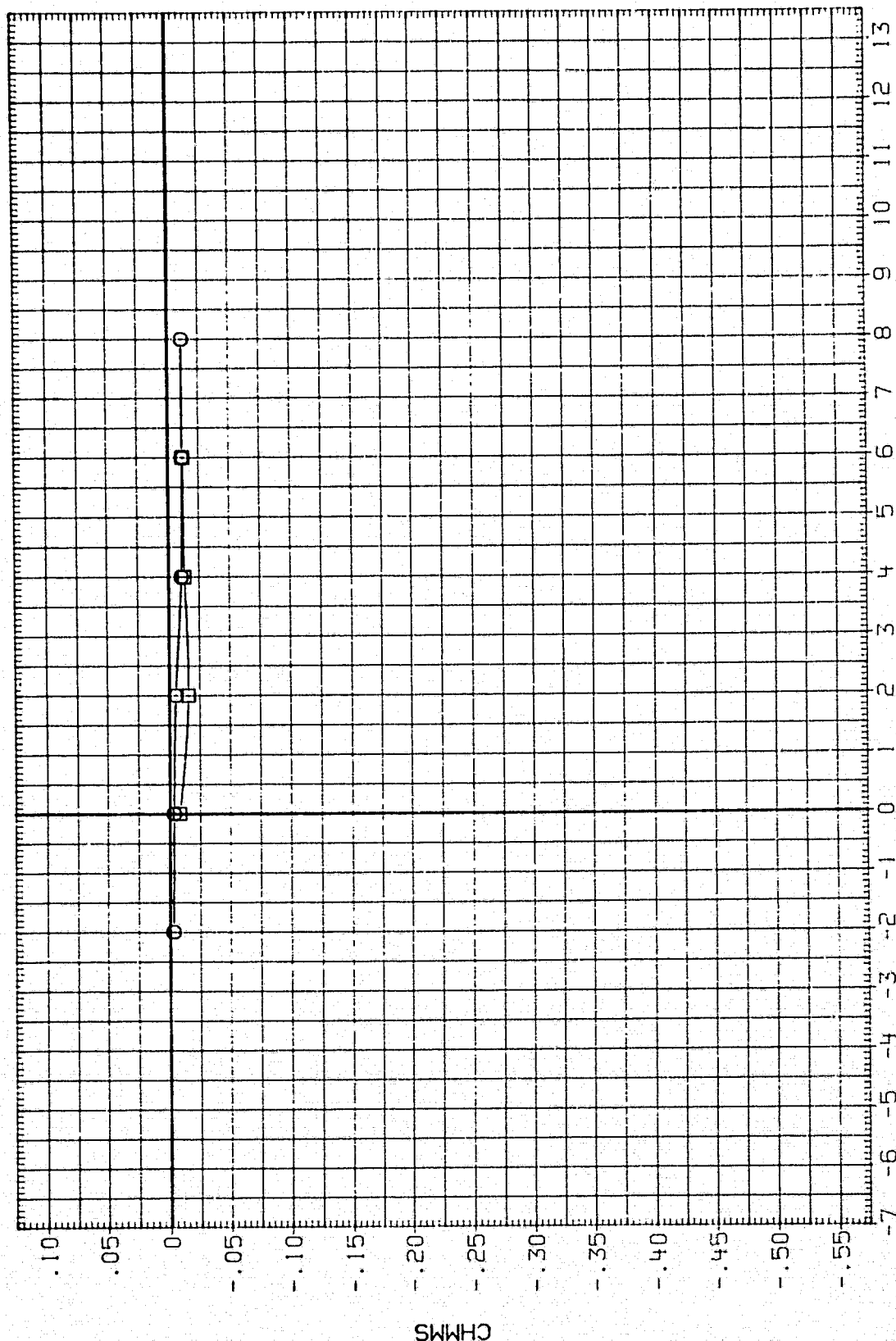


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(1) BETA = 3.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THEIMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	□	0A1638	B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	□	0A1638	B68C12G20M16N28W127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

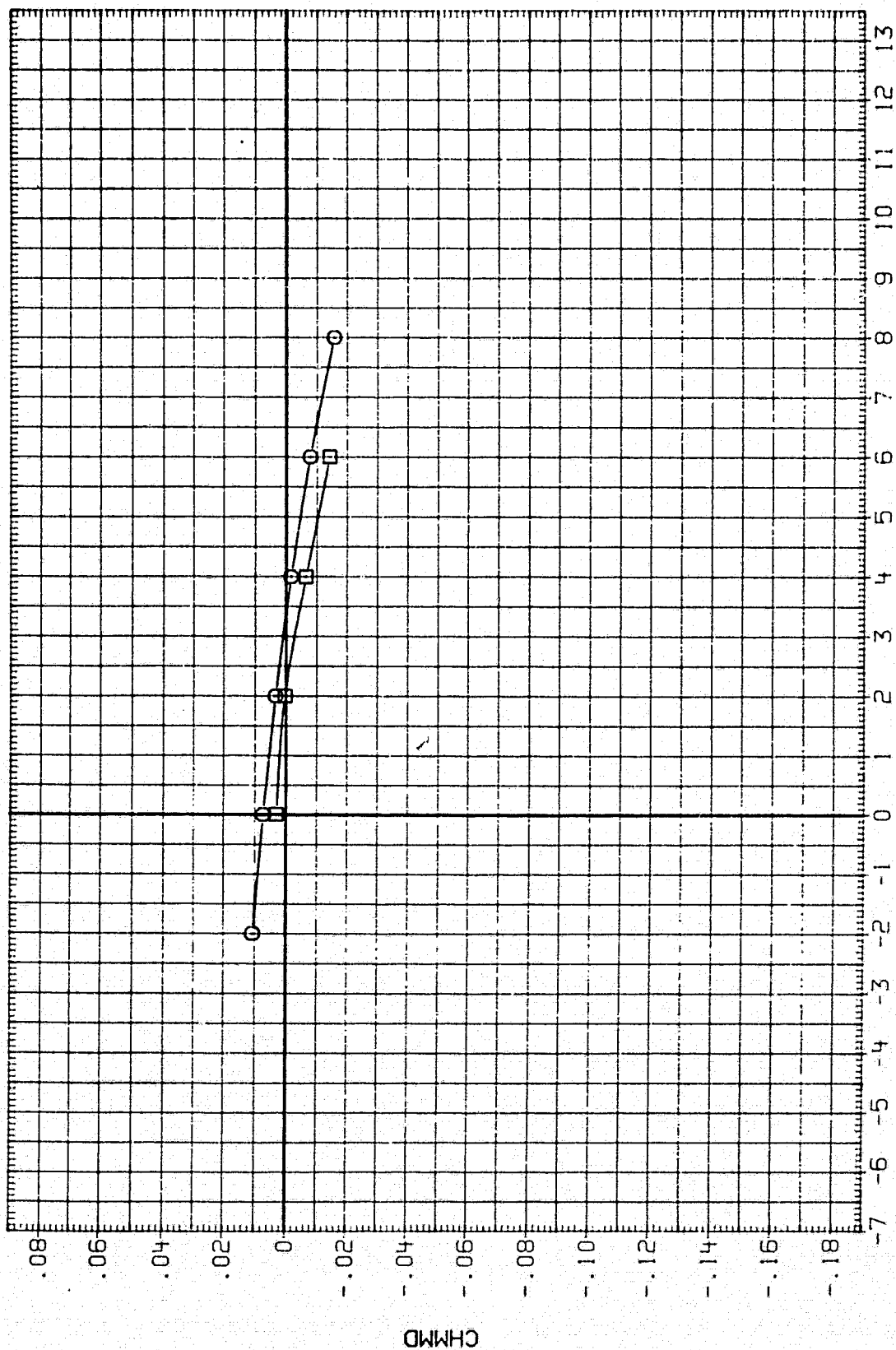


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(1) BETA = 3.00

DATA SET SYMBOL CONFIGURATION
 AFPH01 O OA163B B68C12G20M16N28H127E5F10VR5X911
 AFPH06 □ OA163B B68C12G20M16N28H127E5F10VR5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BOFLAP
 5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
 5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

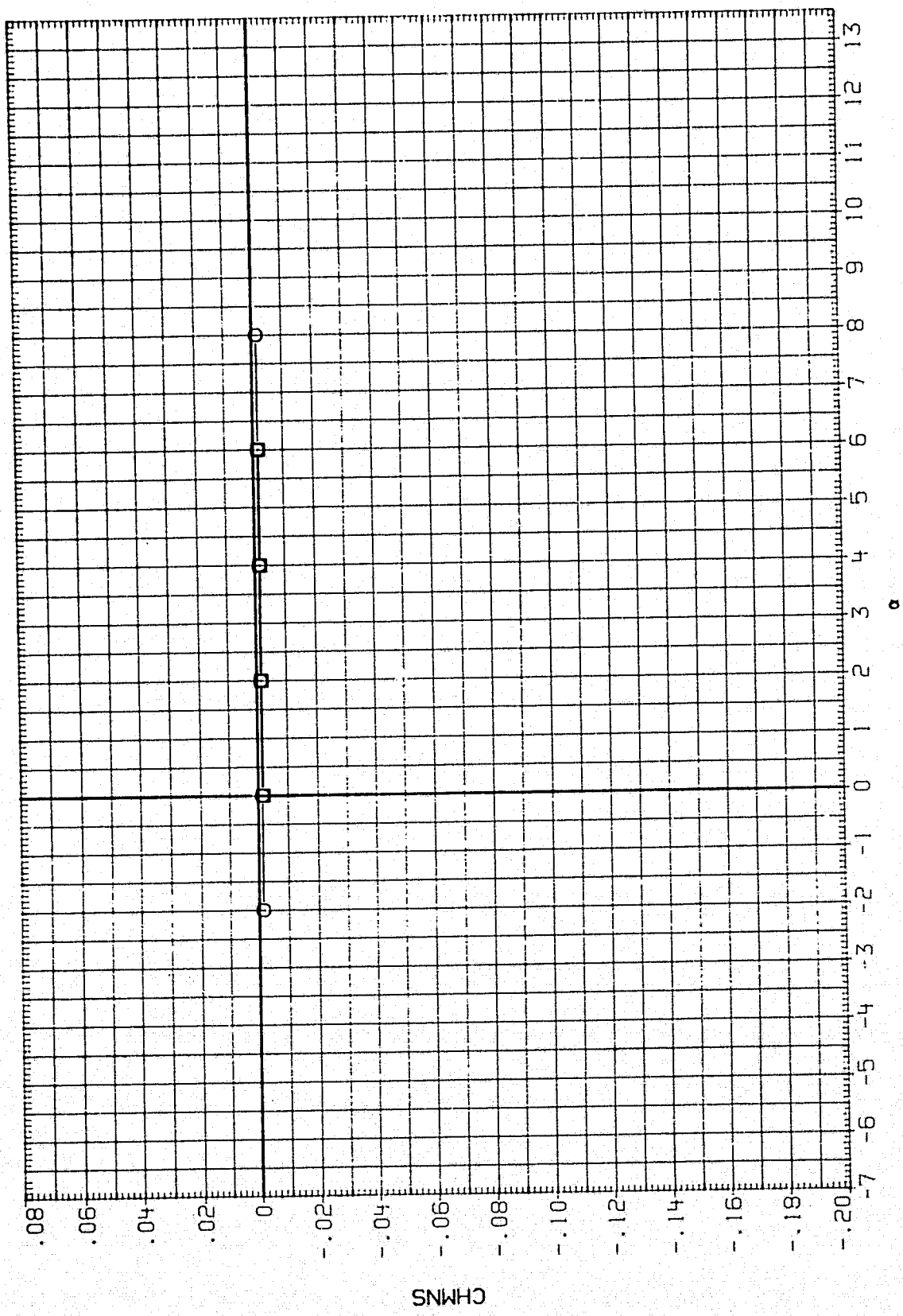


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(J)BETA = 4.00

DATA SET SYMBOL		CONFIGURATION		THEIA	PHI-N	THEML	THEIMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	0	0A163B	B68C12G20M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	□	0A163B	B58C12G20M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

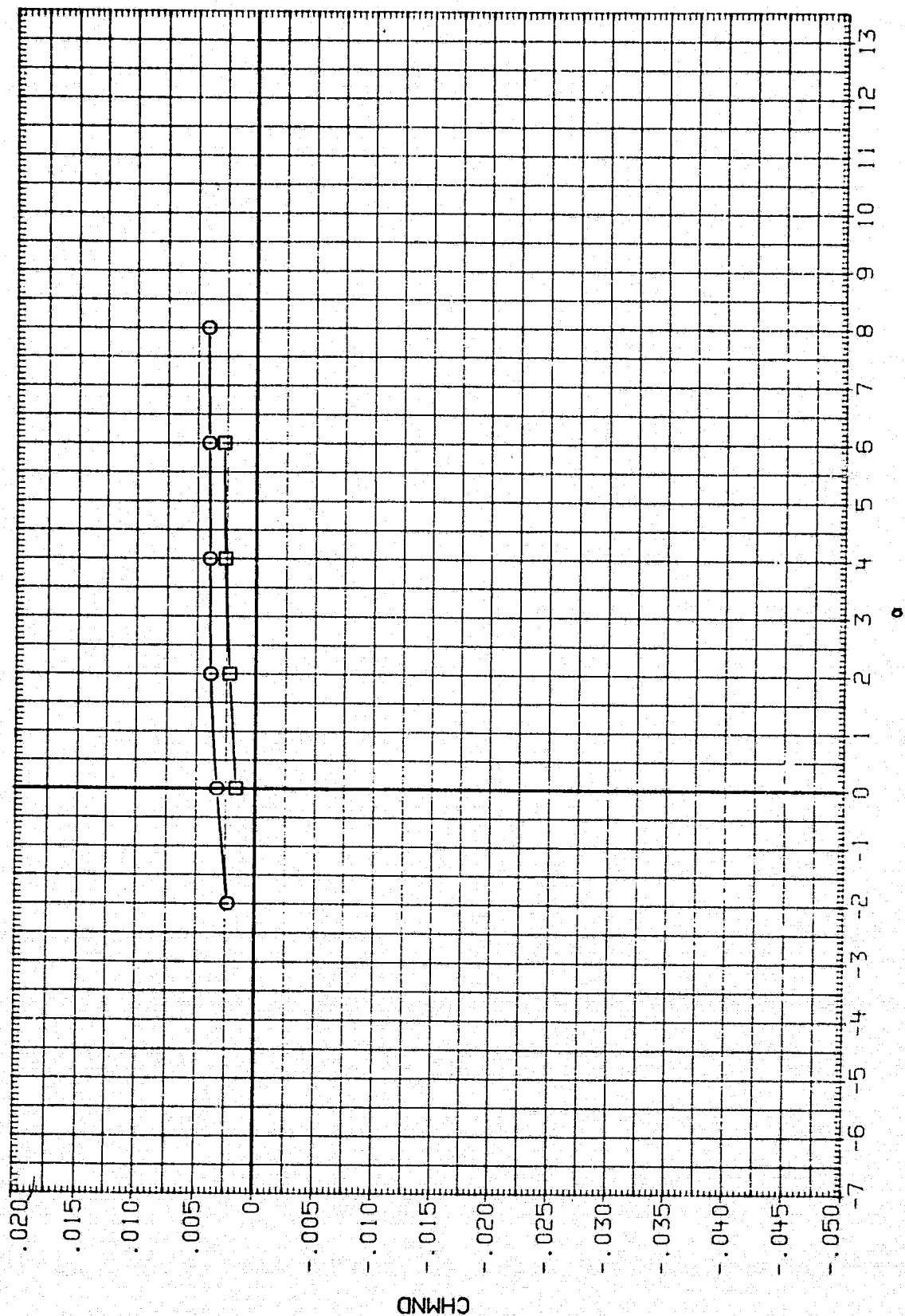


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(J)BETA = 4.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	○	0A153B	B68C12020M16120H127E5F10V9R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	□	0A153B	B68C12020M16120H127E5F10V9R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

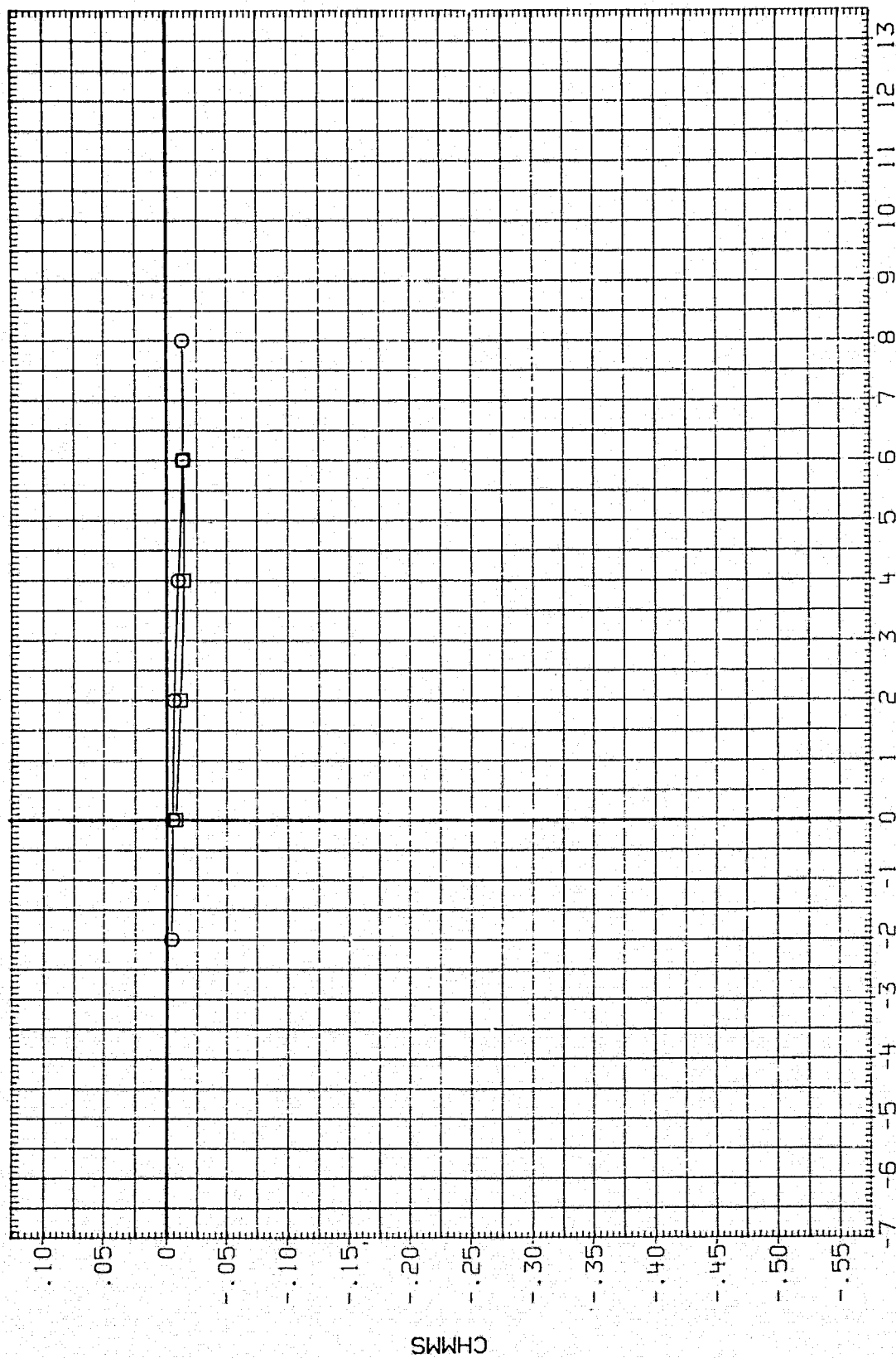


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

DATA SET SYMBOL

AFPH01
AFPH06

CONFIGURATION

0A163B B68C12G20M16N28M127E5F10V8R5X911
0A163B B68C12G20M16N28M127E5F10V8R5X911

THETAN PHI-N THETML THEIMR PHI-ML PHJ-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 16.300

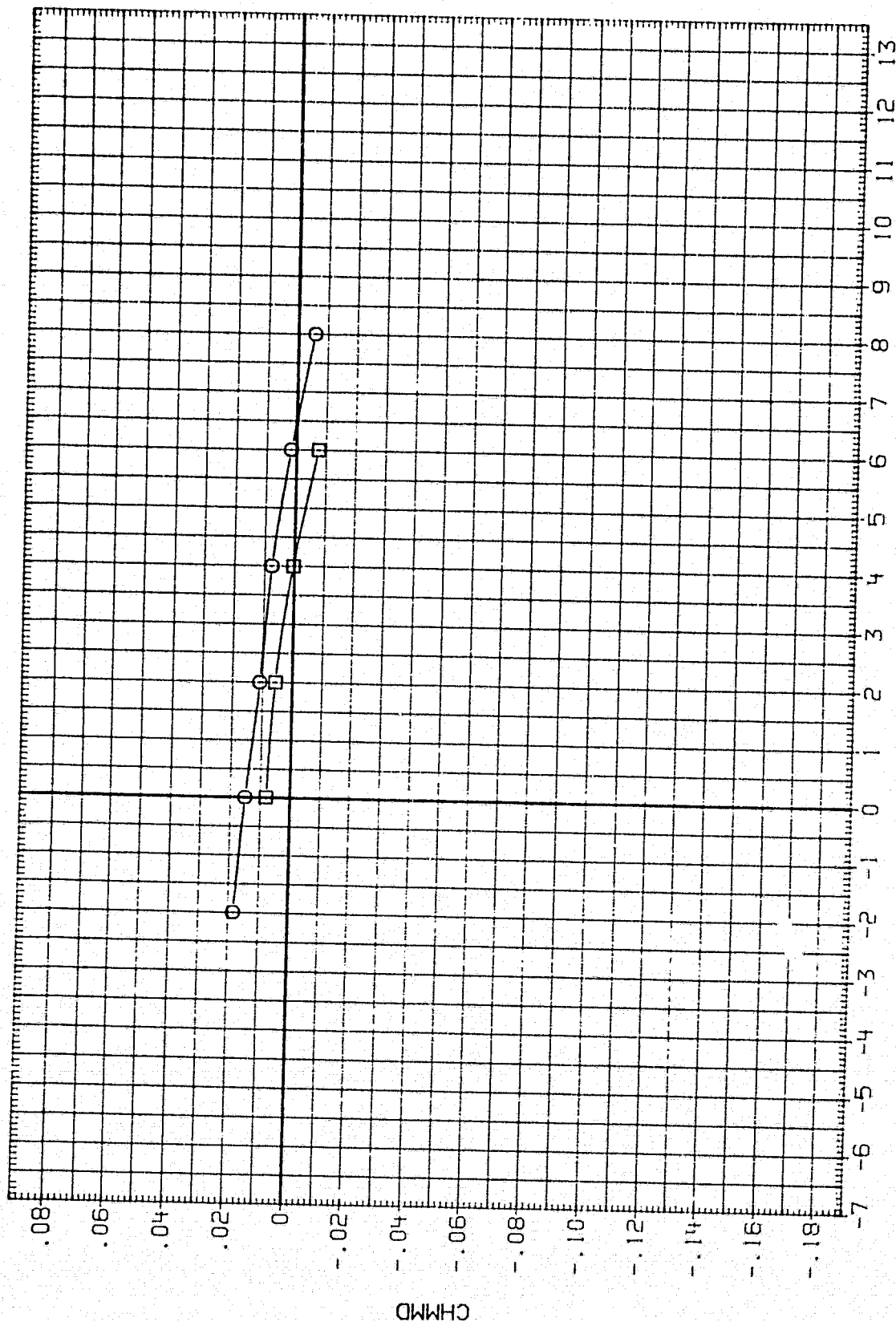


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(J)BETA = 4.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH01	OA163B B68C12G20M16N28W127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH06	OA163B B68C12G20M16N28W127E5F10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	16.300

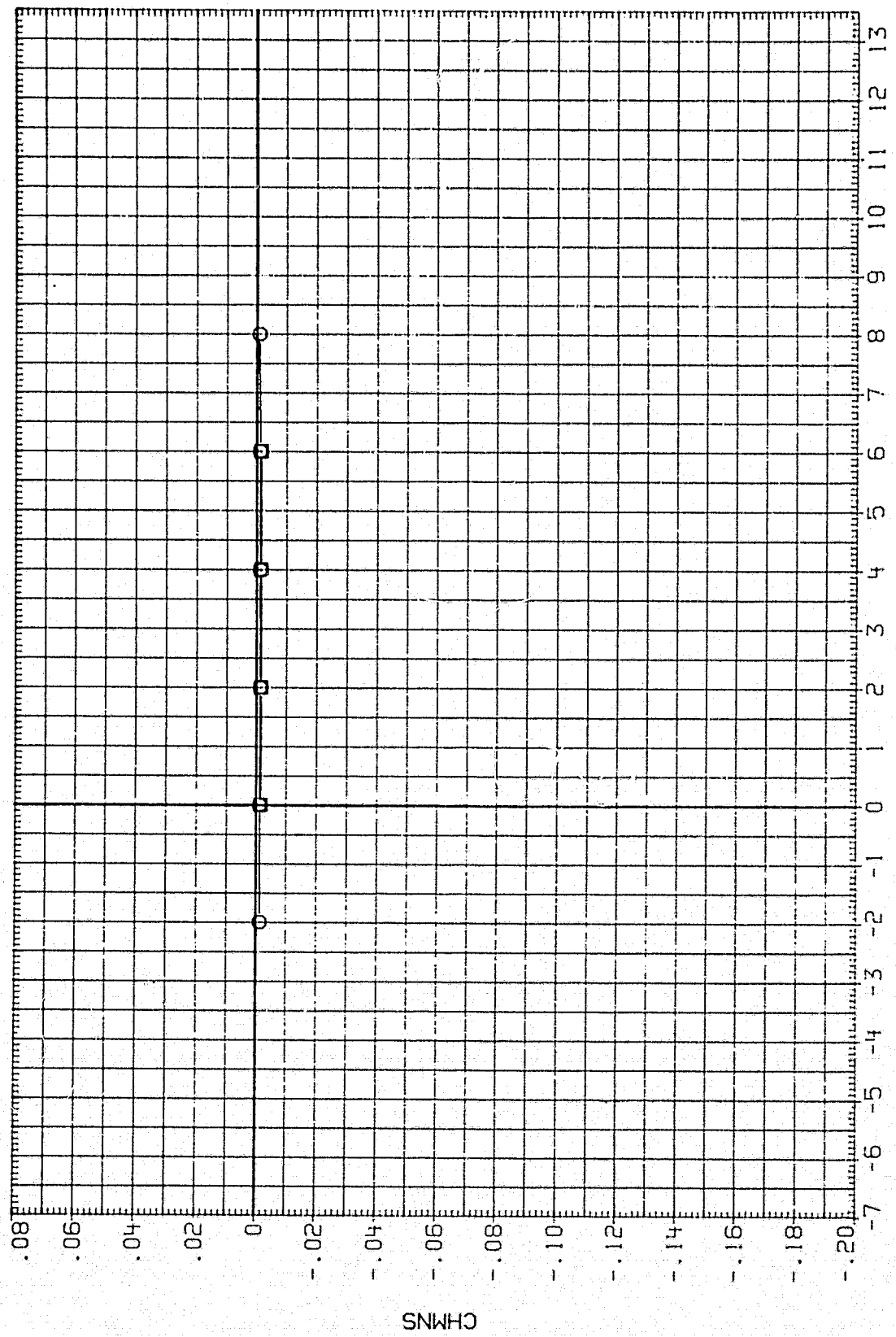


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(K)BETA = 5.00

DATA SET SYMBOL
AFPH01
AFPH06

CONF IGURATION
0A1638 B58C12G2CM16N28H127E5F 10V8R5X911
0A1638 B58C12G2CM16N28H127E5F 10V8R5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDCLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
5.000 30.800 5.000 5.000 32.200 32.200 .000 16.350

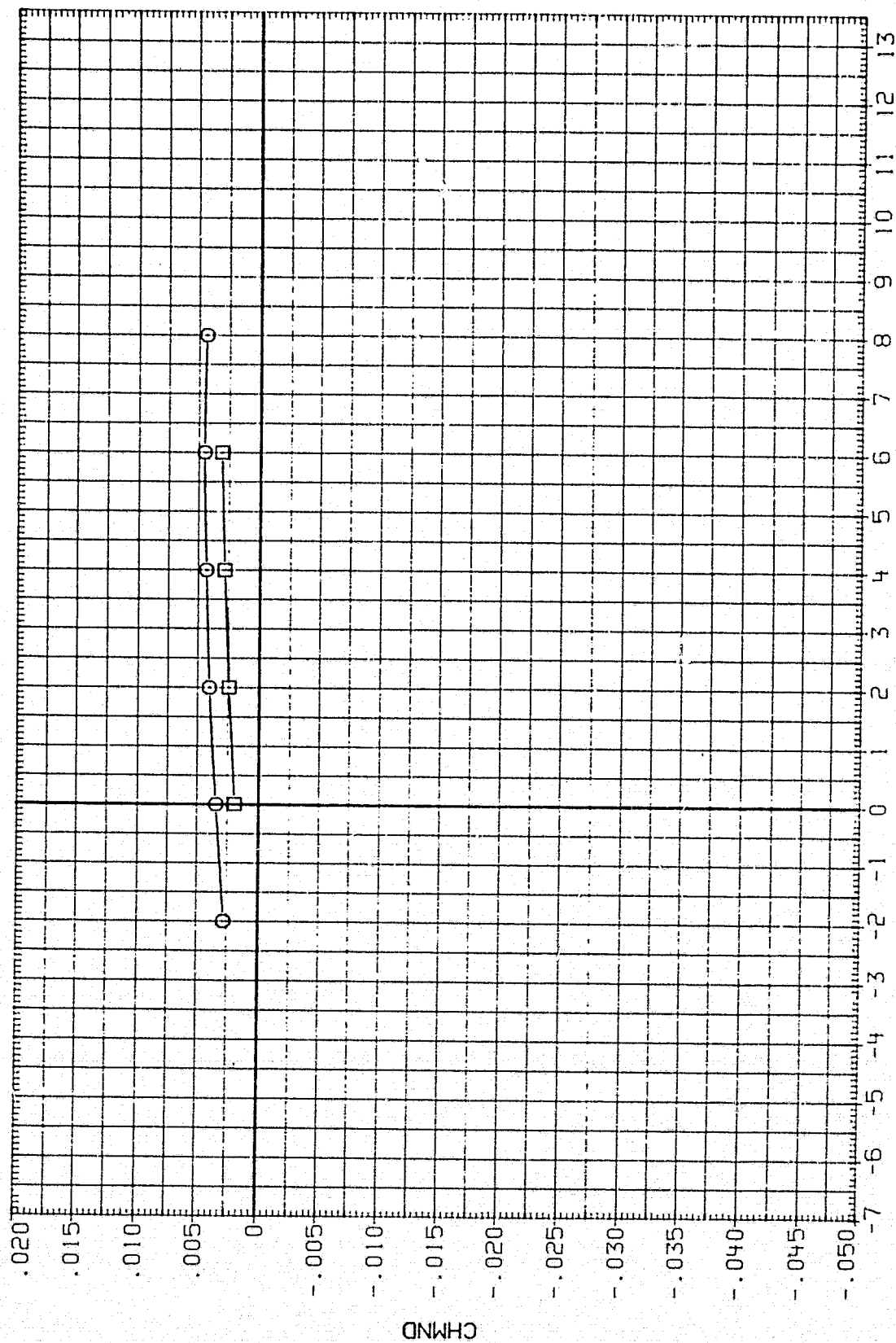


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(K)BETA = 5.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
AFPH01	0A1538 B68C12G20M16A28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH08	0A1538 B68C12G20M16A28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	15.300

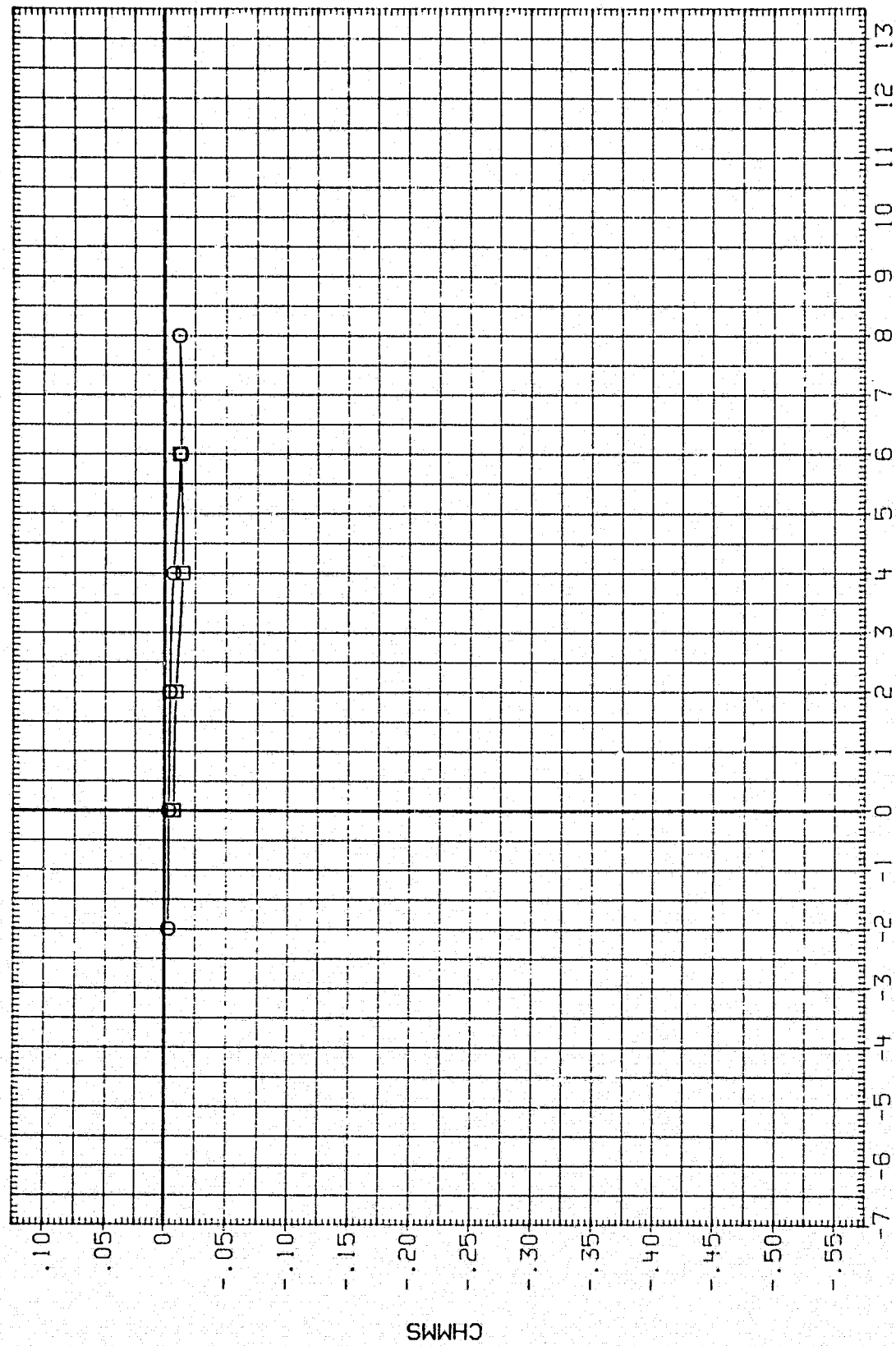


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(K)BETA = 5.00

DATA SET SYMBOL		CONFIGURATION		THETAN		PHI-N		THETML		THETMR		PHI-ML		PHI-MR		ELV-L		BDFLAP	
AFPH01	○	0A1638	B68C12G20M16N28W127E5F10V8P5X911	5.000	30.800	5.000	30.800	5.000	5.000	5.000	32.200	32.200	32.200	32.200	32.200	32.200	32.200	32.200	16.300
AFPH06	□	0A1638	B68C12G20M16N28W127E5F10V8P5X911	5.000	30.800	5.000	30.800	5.000	5.000	5.000	32.200	32.200	32.200	32.200	32.200	32.200	32.200	32.200	16.300

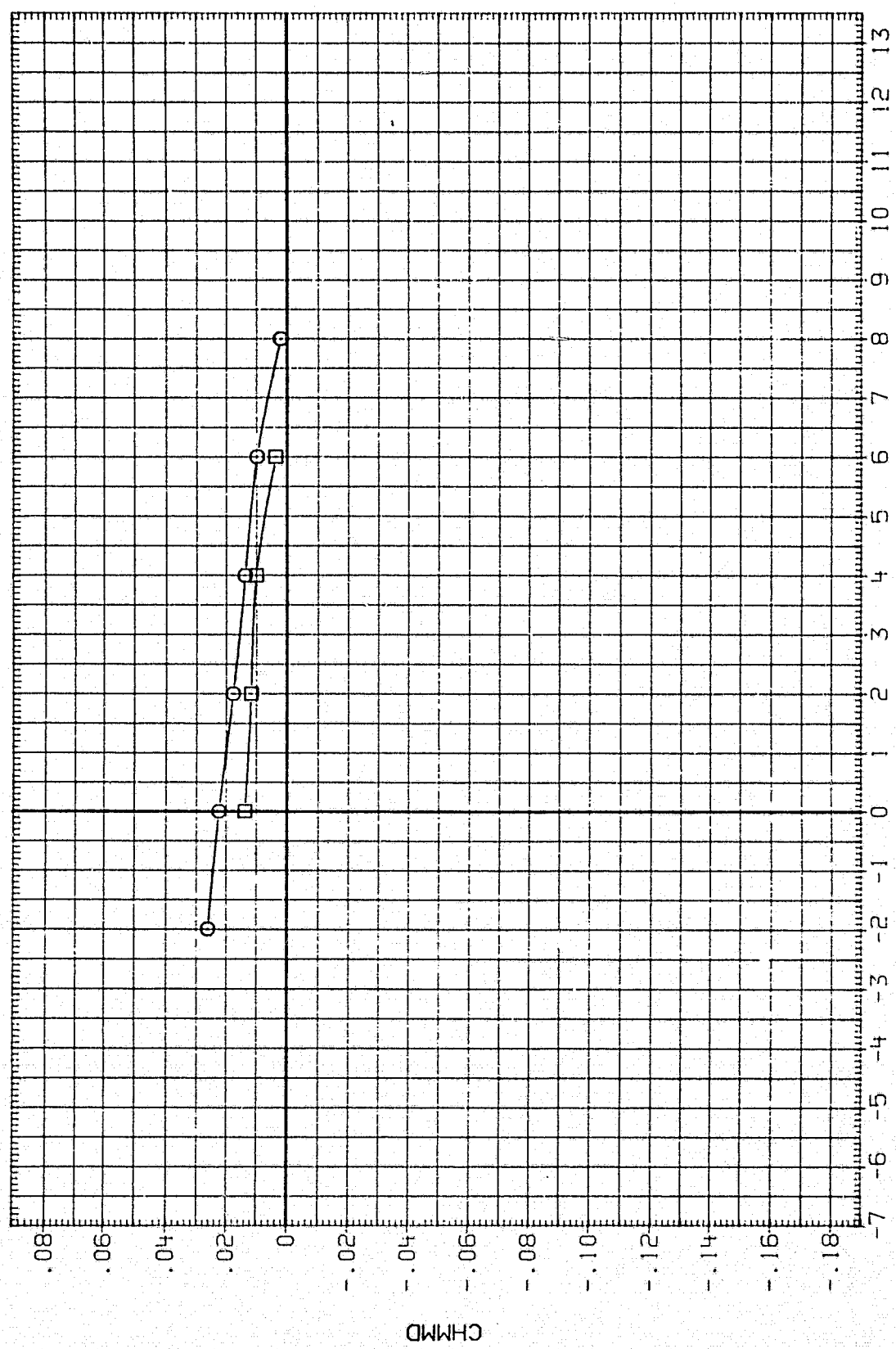


FIG 7 EFFECT OF BODY FLAP DEFLECTION ON LANDING GEAR HINGE MOMENTS

(K) BETA = 5.00

AFPH04

SYMBOL

□ ◇ △ ▽

CONFIGURATION 0A1639 B6BC12G20M16N28W127E5F10V8R5X911

BETA

-5.000
-2.000
-1.000
0.000
1.000
2.000

SPOBRK
BDT LAP
ELV-L
ELV-R
PHI-N

25.000
0.000
0.000
0.000
25.000

THETAN
PHI-M
THE TML
PHI-MR
THE TMR

5.000
26.000
4.000
26.000
4.000

REFERENCE INFORMATION

SREF 2690.0000 SQ. FT.
LREF 474.8100 INCHES
BREF 936.6800 INCHES
YMRP 1076.6800 IN. XO
YMRP 00.00 IN. YO
ZMRP 375.0000 IN. ZO

SCALE

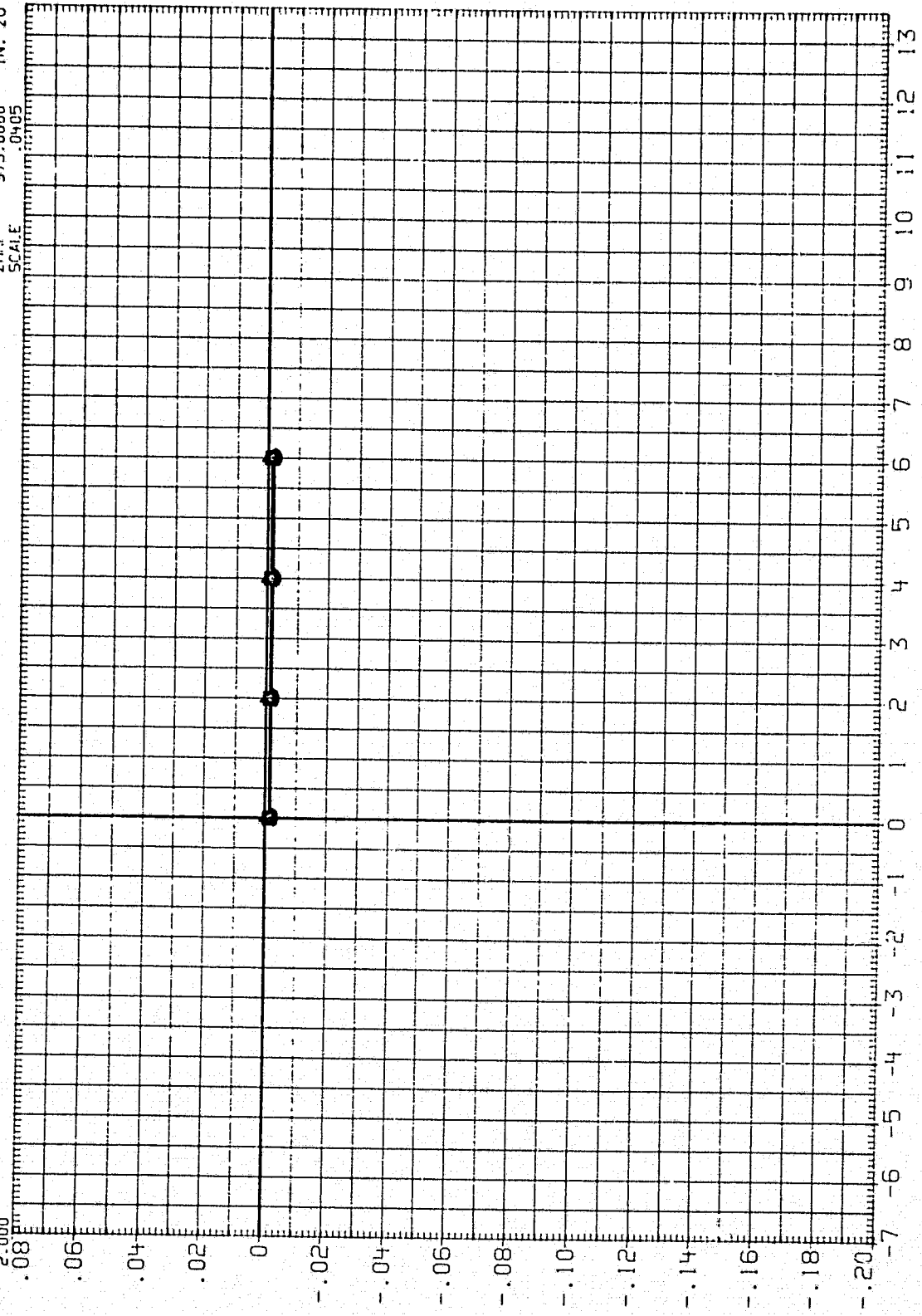


FIG 8 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 26.0 DEG

SYMBOL	BETA	PARAMETRIC VALUES				PARAMETER VALUES				SQ.FT.
		SPOBRK	25.000	THE TAN	5.000	SREF	2690.0000	INCHES		
O	5.000	SDFLAP	.000	PHI-ML	26.000	LREF	474.8100	IN. XO		
		ELV-L	.000	THE-ML	4.000	RREF	936.6800	IN. YO		
		ELV-R	.000	PHI-MR	26.000	YMRP	1076.6300	IN. ZO		
		PHI-N	25.000	THE-MR	4.000	ZMRP	375.0000	SCALE	.0405	

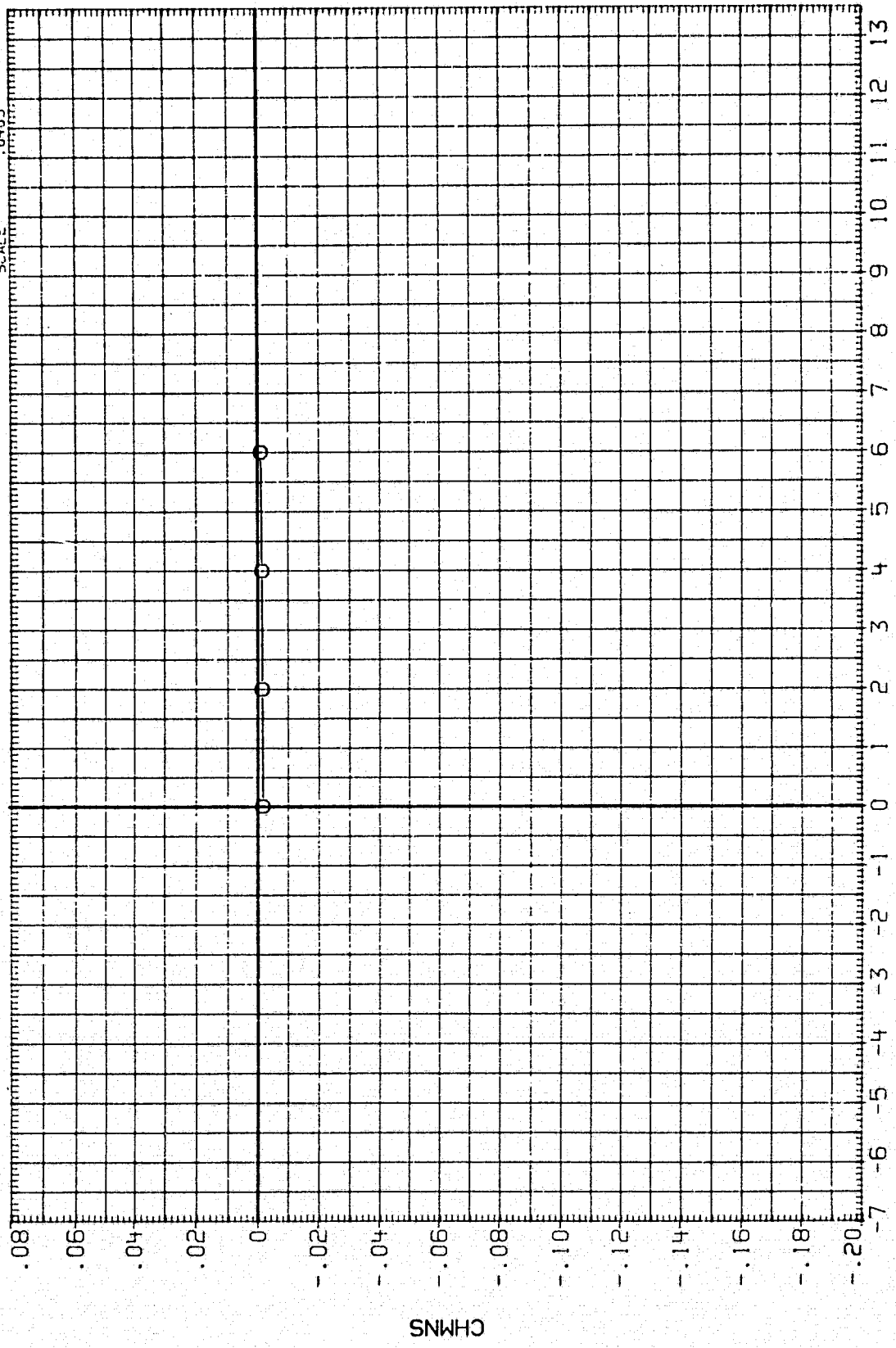


FIG 8 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 26.0 DEG

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REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

ATPH04
SYMBOL

CONFIGURATION	0A163B	B68C12G20M16N28M127E5F10V8R5X911
BETA	-5.000	5.000
SPDRK	25.000	25.000
BOFLAP	.000	26.000
ELV-L	.000	4.000
ELV-R	.000	25.000
PHI-N	25.000	4.000
THETAN		
PHI-ML		
THE-TIL		
PHI-MR		
THE-TMR		

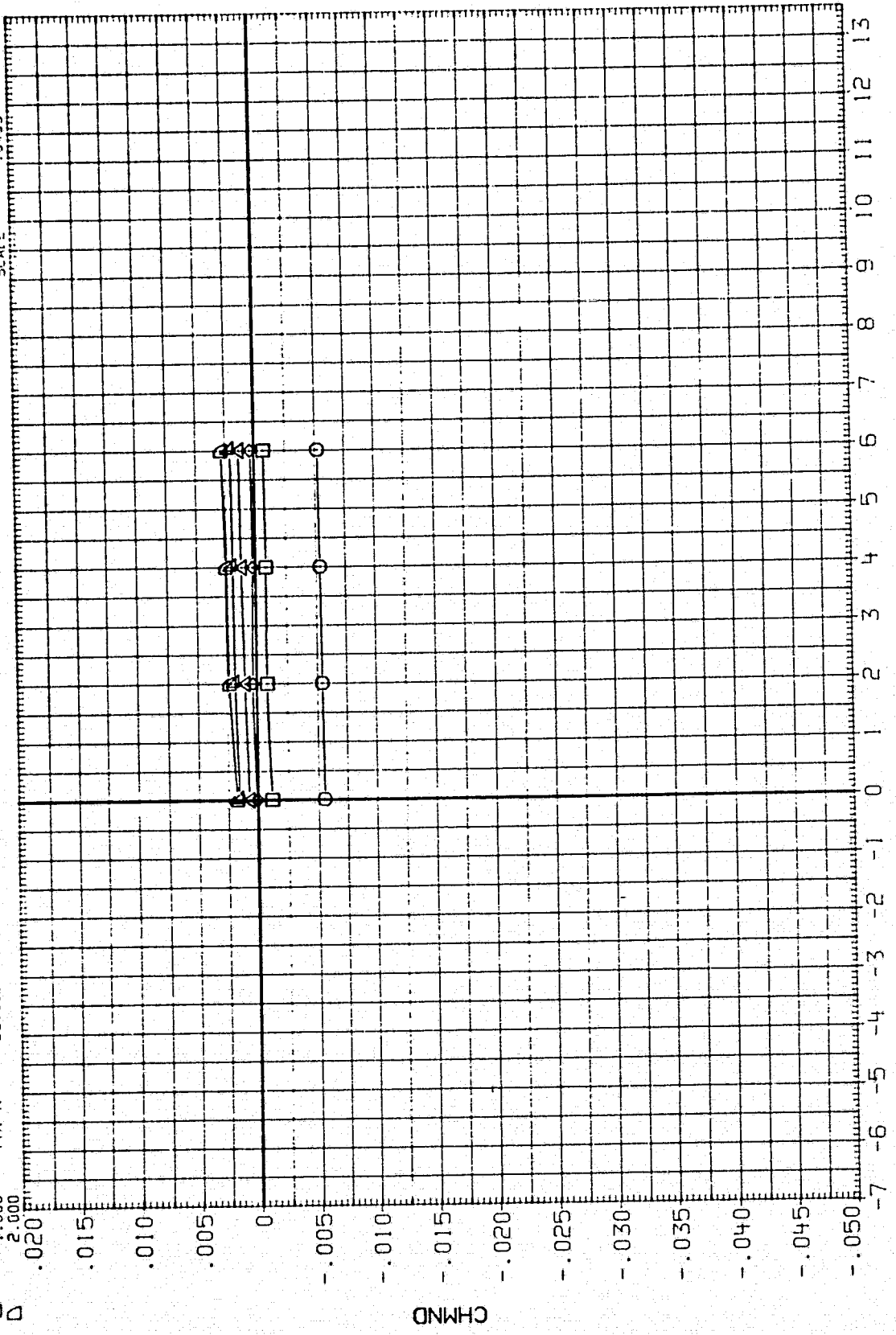


FIG 8 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 26.0 DEG

AFPH04
 SYMBOL
 O

CONFIGURATION 0A163B		B68C12020M16N28W127E5F10V8R5X911	
BETA	SPDBRK	PARAMETRIC VALUES	THE TAN
5.000	5.000	PHI-M	26.000
	5.000	PHI-M	26.000
	5.000	THE TAN	4.000
	5.000	PHI-M	26.000
	5.000	THE TAN	4.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LPEF 474.8100 INCHES
 BREF 936.6820 INCHES
 YMRP 1076.6830 IN. X0
 ZMRP .0000 IN. Y0
 SCALE .0405

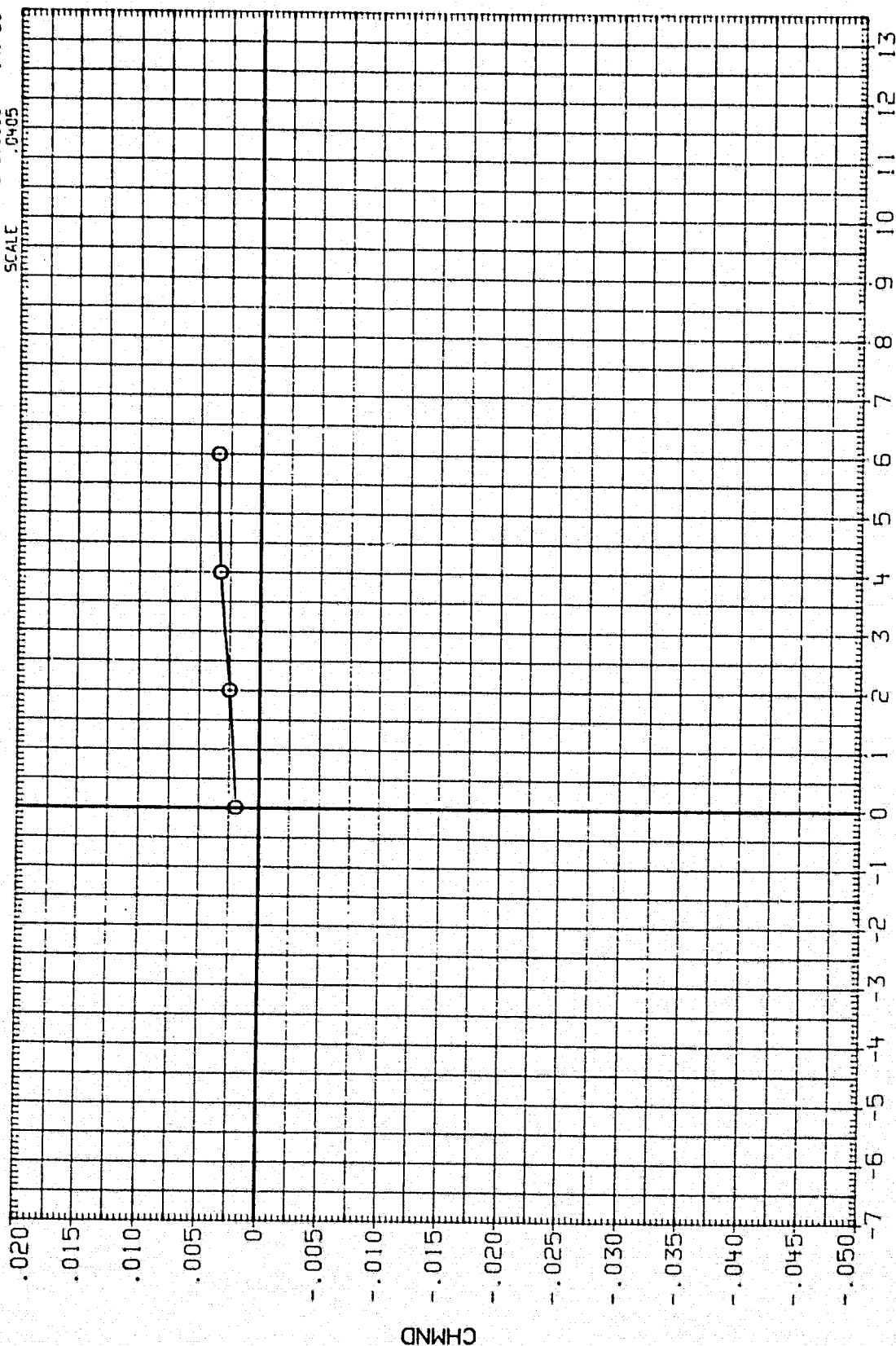


FIG 8 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 26.0 DEG

AFPH04
SYMBOL

CONFIGURATION 0A1638 B68C12020M16N28H127E5F10VBRSX911

BETA	SPDRBK	BDCLAP	ELV-L	ELV-R	PHI-N	THE-TAN	PHI-ML	THE-TML	PHI-MR	THE-TMR
-5.000	25.000	0.000	0.000	0.000	25.000	5.000	26.000	4.000	26.000	4.000
-2.000	25.000	0.000	0.000	0.000	25.000	5.000	26.000	4.000	26.000	4.000
-1.000	25.000	0.000	0.000	0.000	25.000	5.000	26.000	4.000	26.000	4.000
1.000	25.000	0.000	0.000	0.000	25.000	5.000	26.000	4.000	26.000	4.000
2.000	25.000	0.000	0.000	0.000	25.000	5.000	26.000	4.000	26.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8190	INCHES
BREF	936.6800	INCHES
XMPP	1076.6800	IN. X0
YMPP	0.0000	IN. Y0
ZMPP	375.0000	IN. Z0
SCALE	0.005	

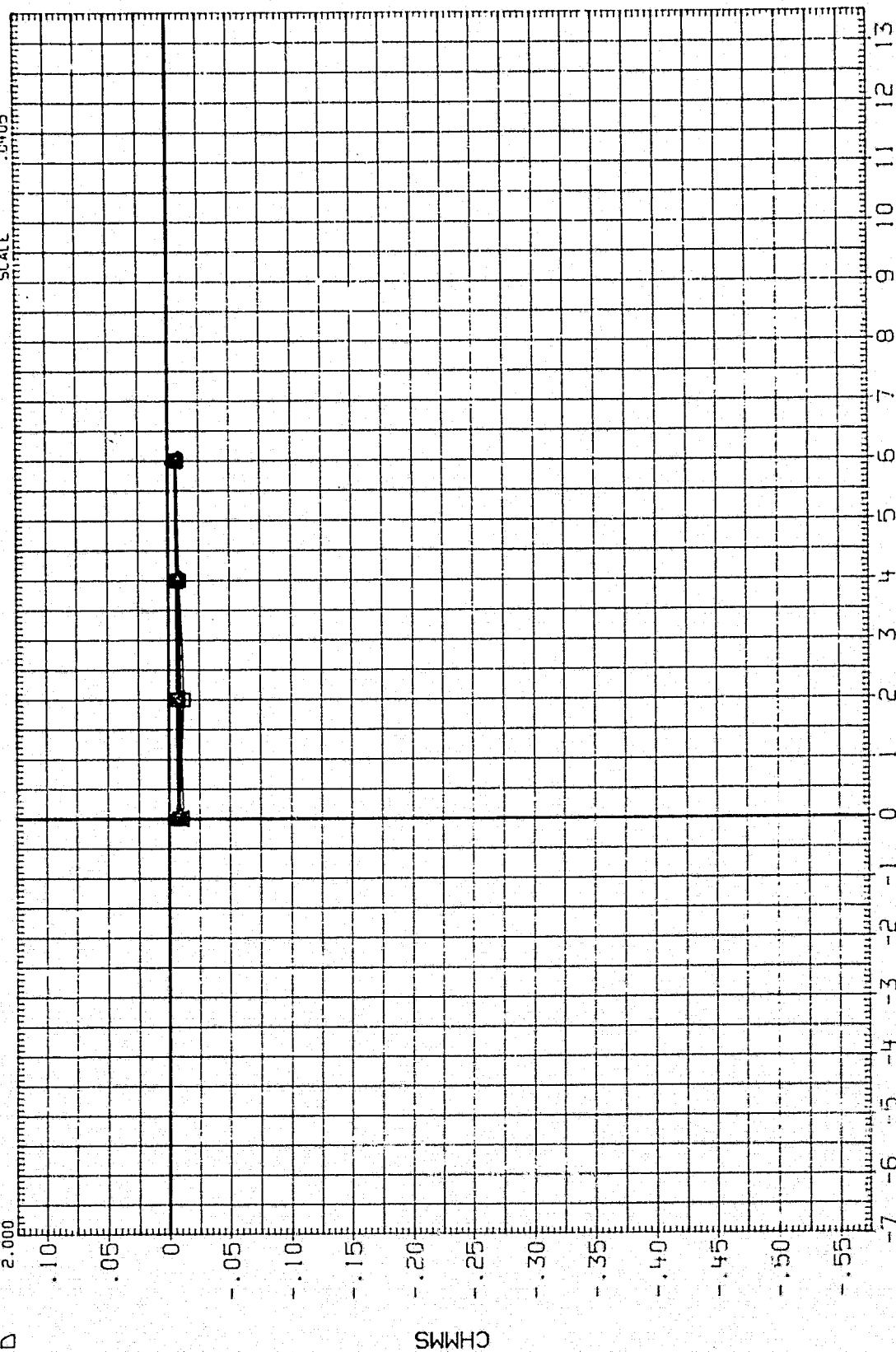


FIG 8 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 26.0 DEG

AFPH04 SYMBOL O

CONFIGURATION 0A163B 86BC12G20M16N2B4127E5F10V8R5X911

BETA 5.000

PARAMETRIC VALUES

SPDBPX	25.000	THETAN	5.000
BUFLAP	.000	PHI-ML	26.000
ELV-L	.000	THE-ML	4.000
ELV-R	.000	PHI-MR	26.000
PHI-N	25.000	THE-MR	4.000

REFERENCE INFORMATION

SREF	2690.0000	50. FT
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0

SCALE .0405

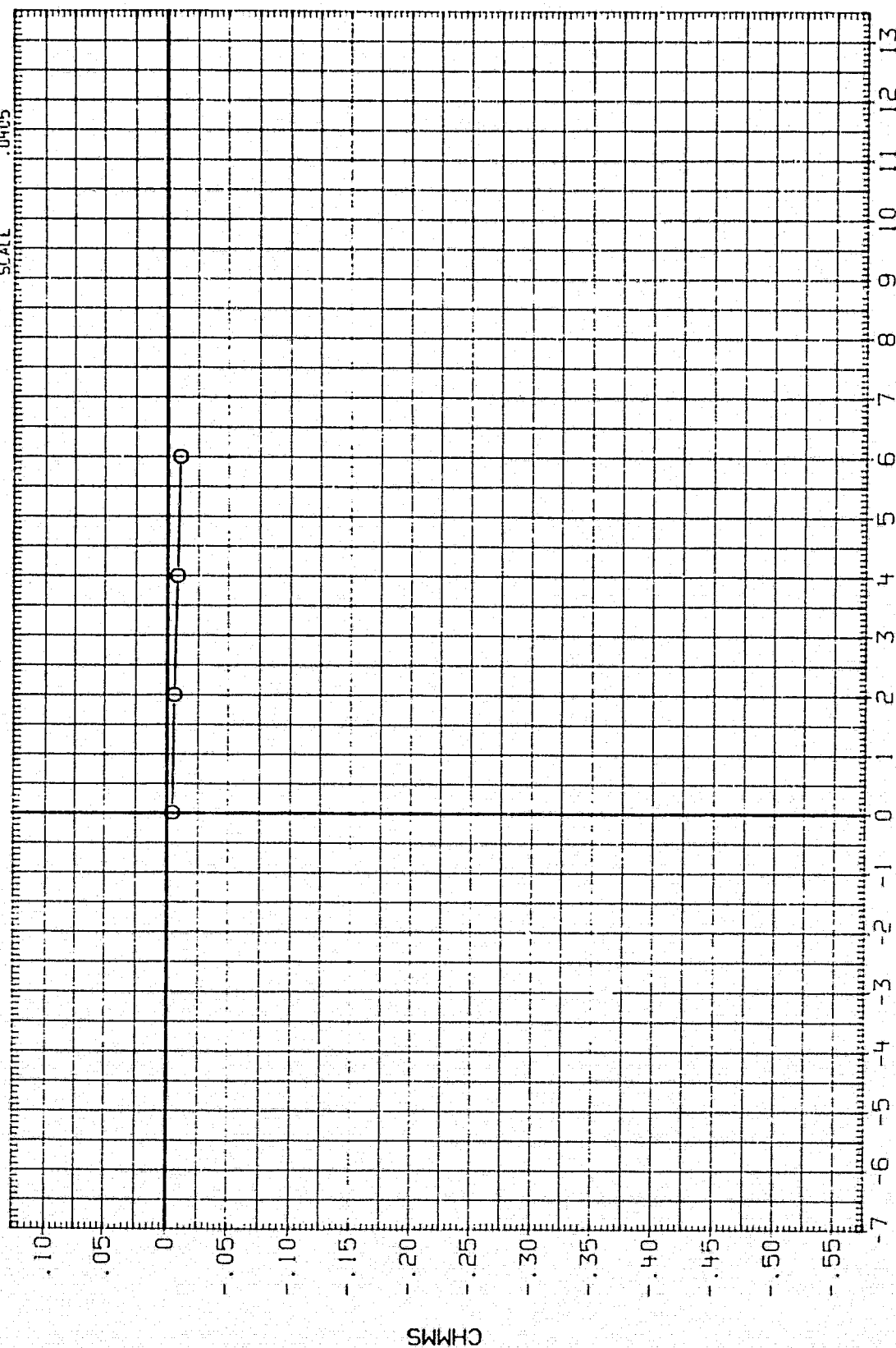


FIG 8 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 26.0 DEG

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 474.8100 INCHES
 BREF 936.6800 IN. XO
 YMRP 1076.6800 IN. YO
 ZMRP .0000 IN. ZO
 SCALE .0405

CONFIGURATION 0A163B B68C12020M16N28W127E5F10V85X911
 PARAMETRIC VALUES
 BETA -5.000 SPDBRK 25.000 THETAN 5.000
 -2.000 BDFLAP .000 PHI-ML 26.000
 -1.000 ELV-L .000 THEIML 4.000
 .000 ELV-R .000 PHI-MR 26.000
 1.000 PHI-N 25.000 THEIMR 4.000
 2.000

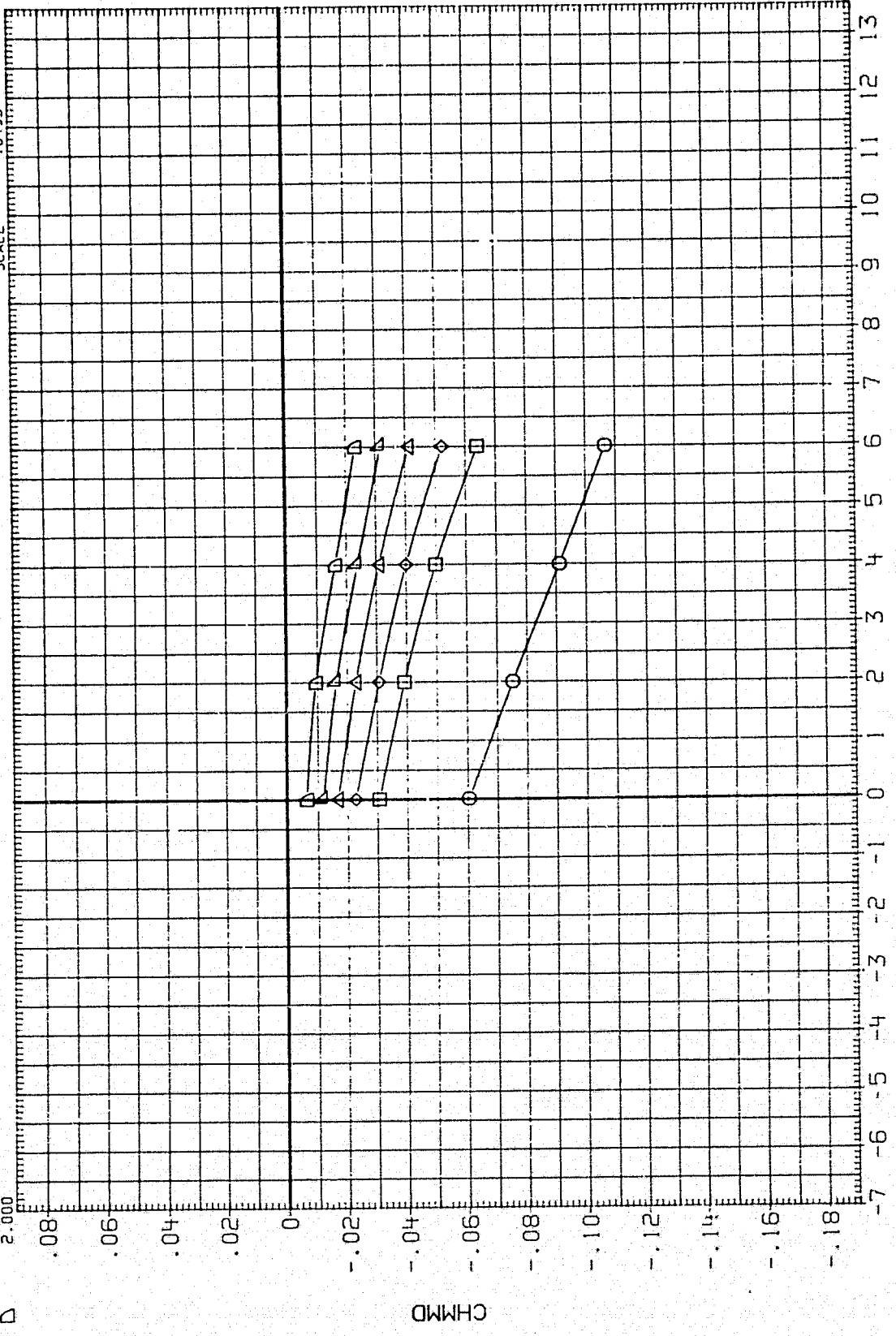


FIG 8 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 26.0 DEG
 PAGE 293

AFFPH04
 SYMBOL O
 CONFIGURATION OA163B B68C12G20M16N28W127E5F10V8R5X911
 BETA 5.000
 SPOBRK 25.000
 80FLAP .000
 ELV-L .000
 ELV-R .000
 PHI-N 25.000
 PARAMETRIC VALUES
 THETAN 5.000
 PHI-TML 26.000
 THETML 4.000
 PHI-MR 26.000
 THETMR 4.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ. FT.
 LREF 474.8100 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.6800 IN. XO
 YMRP .0000 IN. YO
 ZMRP 375.0000 IN. ZO
 SCALE .0405

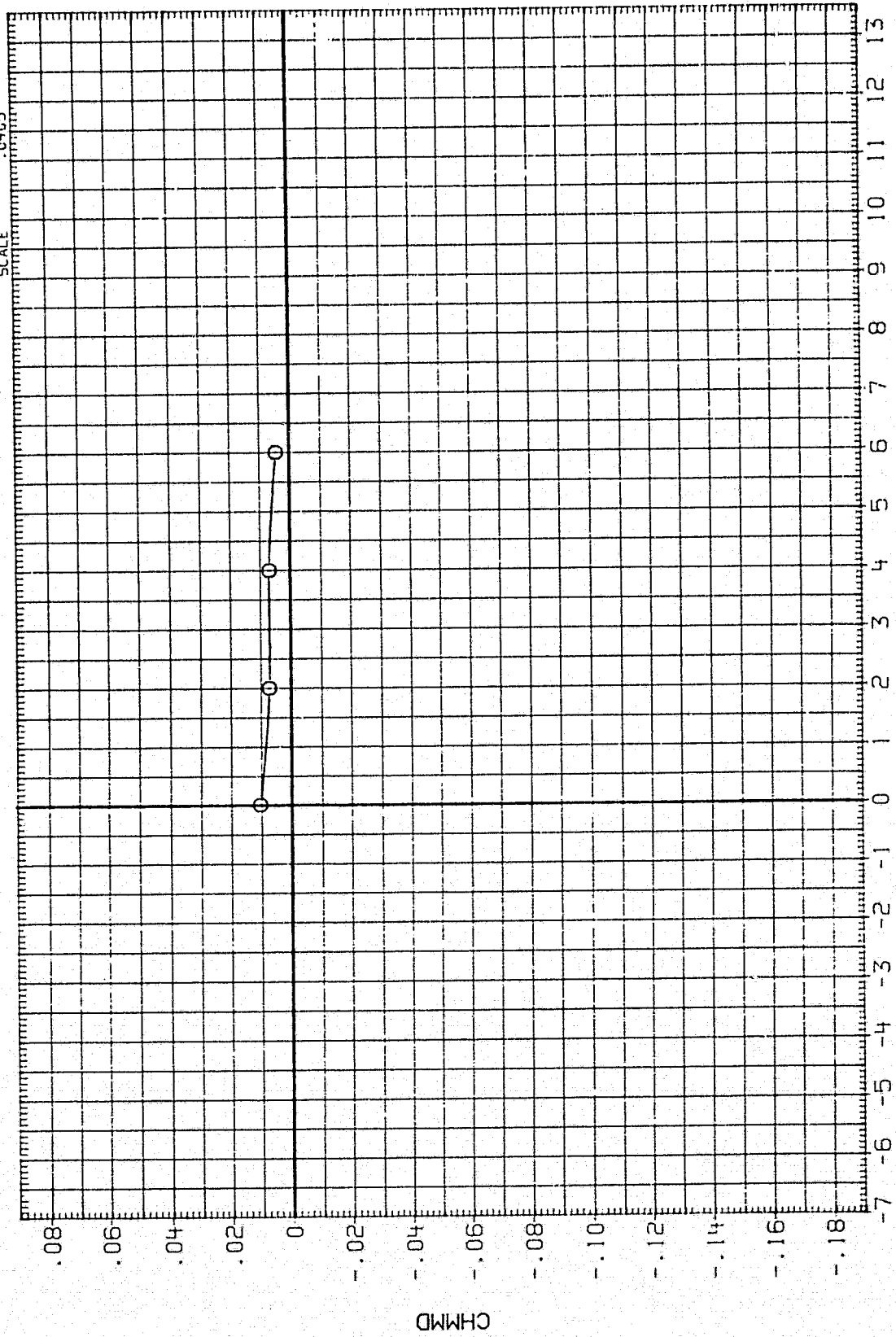


FIG 8 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 26.0 DEG

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0105	

CONFIGURATION 0A1638 B68C12G20M16N28W127E5F10V8R5X911

PARAMETRIC VALUES	
BETA	5.000
SPDRK	25.000
BDTAP	32.200
ELV-L	.000
ELV-R	.000
PHI-N	30.800
THE TAN	5.000
PHI-M	32.200
THE IM	5.000

AFPH01
SYMBOL

□ ◊ ◊ ◊ ◊

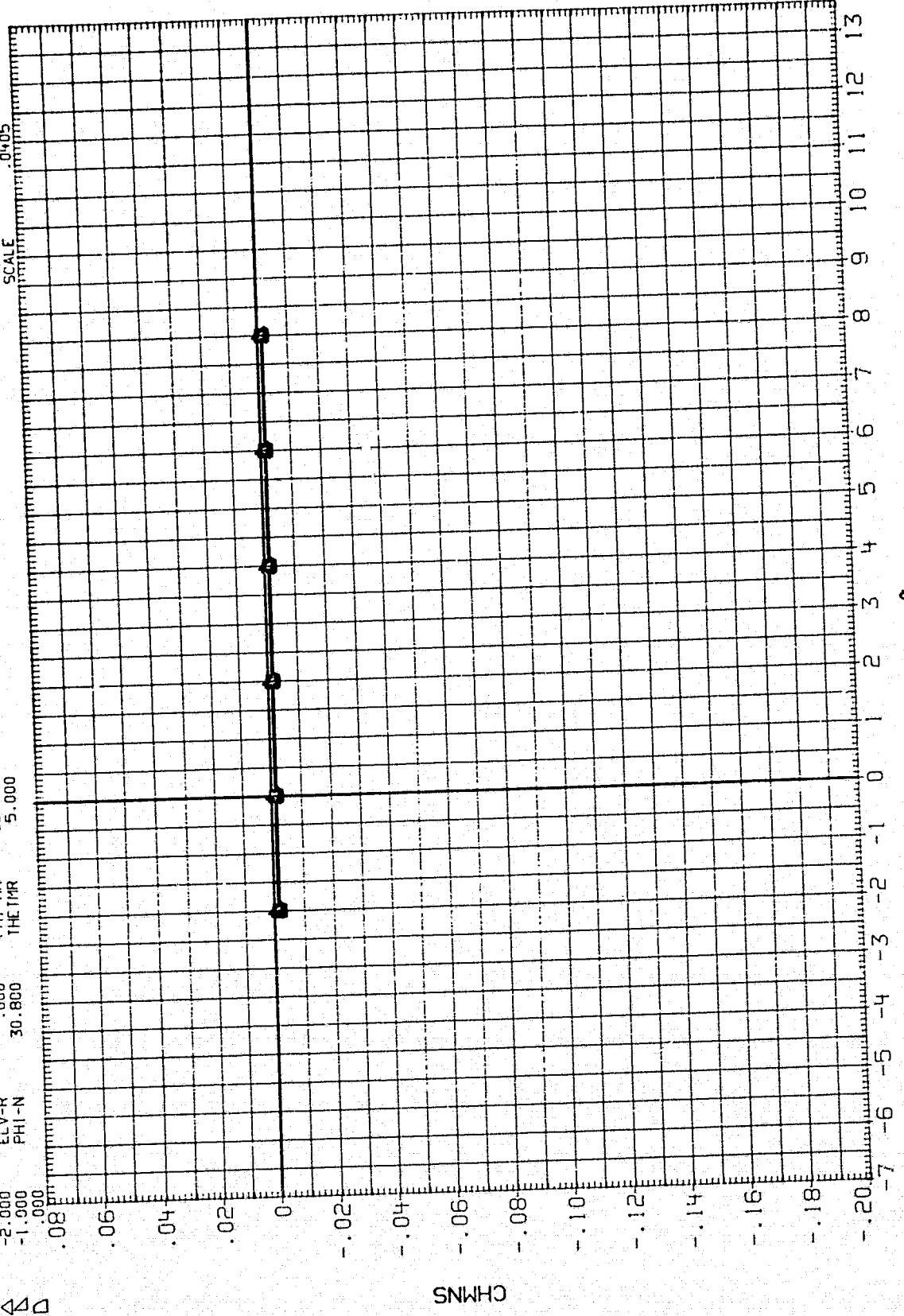


FIG 9 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMENTS PHI-M = 32.2 DEG

AFFH01
 SYMBOL

1.000	SPDRBK	25.000	THETAN	5.000
2.000	BDCLAP	.000	PHI-ML	32.200
3.000	ELV-L	.000	THE IML	5.000
4.000	ELV-R	.000	PHI-MR	32.200
5.000	PHI-N	30.800	THE IMR	5.000

CONFIGURATION 0A1638 B68C12G50M16N28M127E5F10VBR5X911
 REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8100 INCHES
 BREF 936.5900 INCHES
 YMRP 1076.5800 IN. X0
 YMRP .0600 IN. Y0
 ZMRP 375.0600 IN. Z0
 SCALE .0405

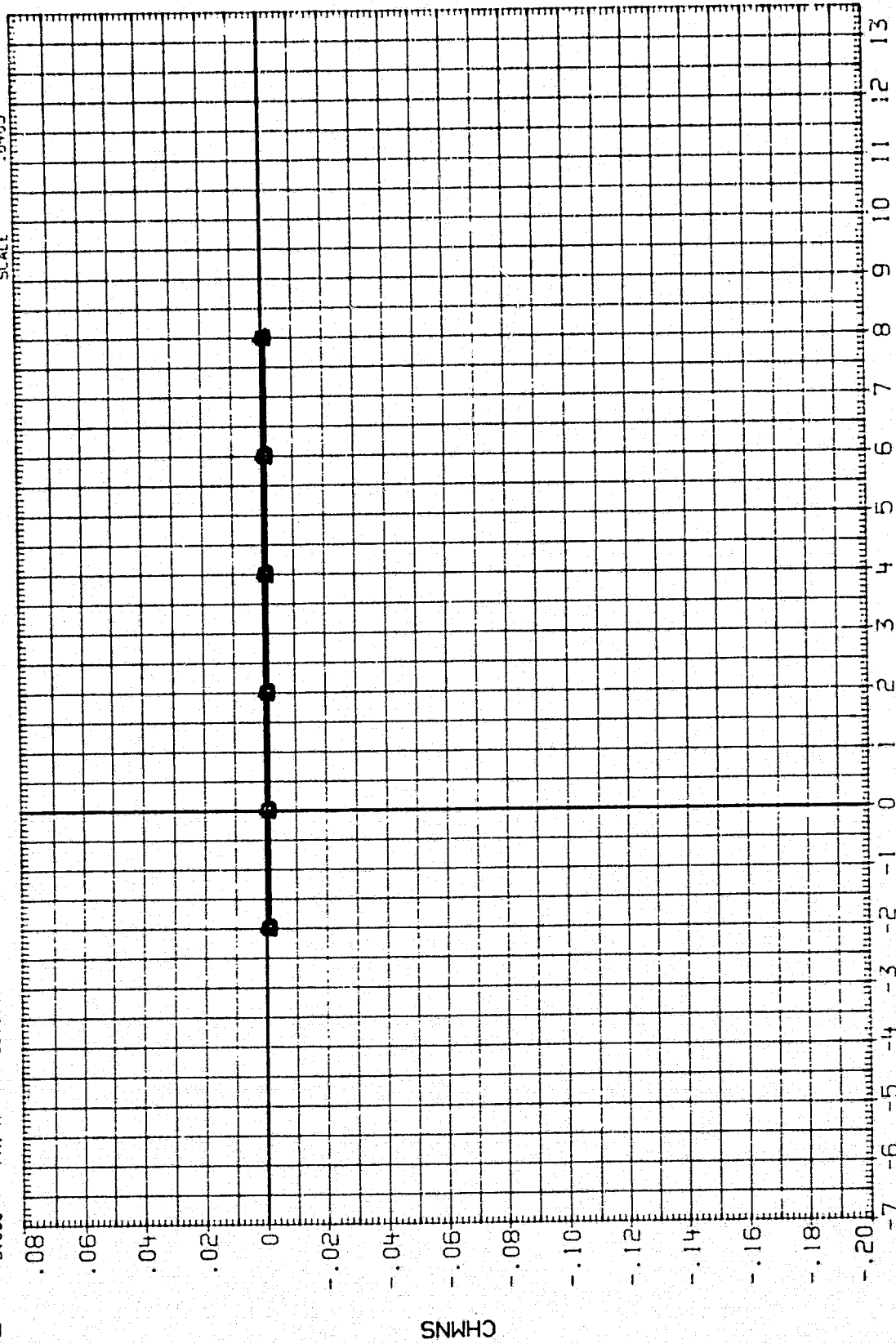


FIG 9 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 32.2 DEG

AFPH01 CONFIGURATION 0A153B B68C12G20M16N28M127E5F10V8R5X911

PARAMETRIC VALUES	
BETA	25.000
SPDRBK	5.000
BDTLAP	32.200
ELV-L	5.000
ELV-R	32.200
PHI-N	5.000
THETAN	5.000
PHI-M	32.200
THETMR	5.000
PHI-NR	32.200
THETNR	5.000

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0405	

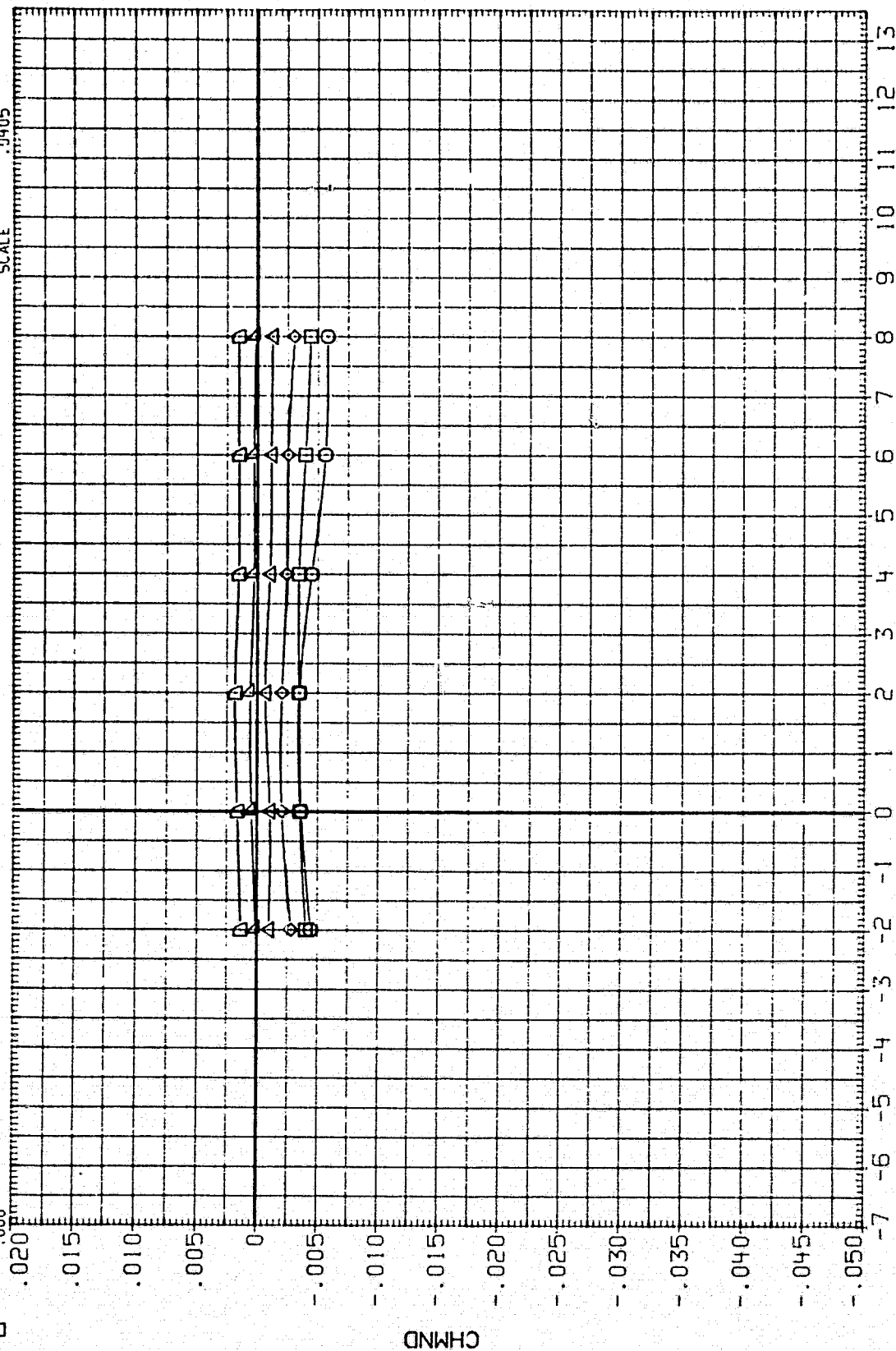


FIG 9 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 32.2 DEG

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0425	

CONFIGURATION 0A163B B68C12020M16N294I27E5F10VBR5X9I1

BETA	SPDBRK	BD'LAP	ELV-L	ELV-R	PHI-N	PARAMETRIC VALUES	THE TAN	PHI-M	THE TAN	PHI-M	THE TAN	PHI-M
1.000						5.000						
2.000						32.200						
3.000						5.000						
4.000						32.200						
5.000						5.000						

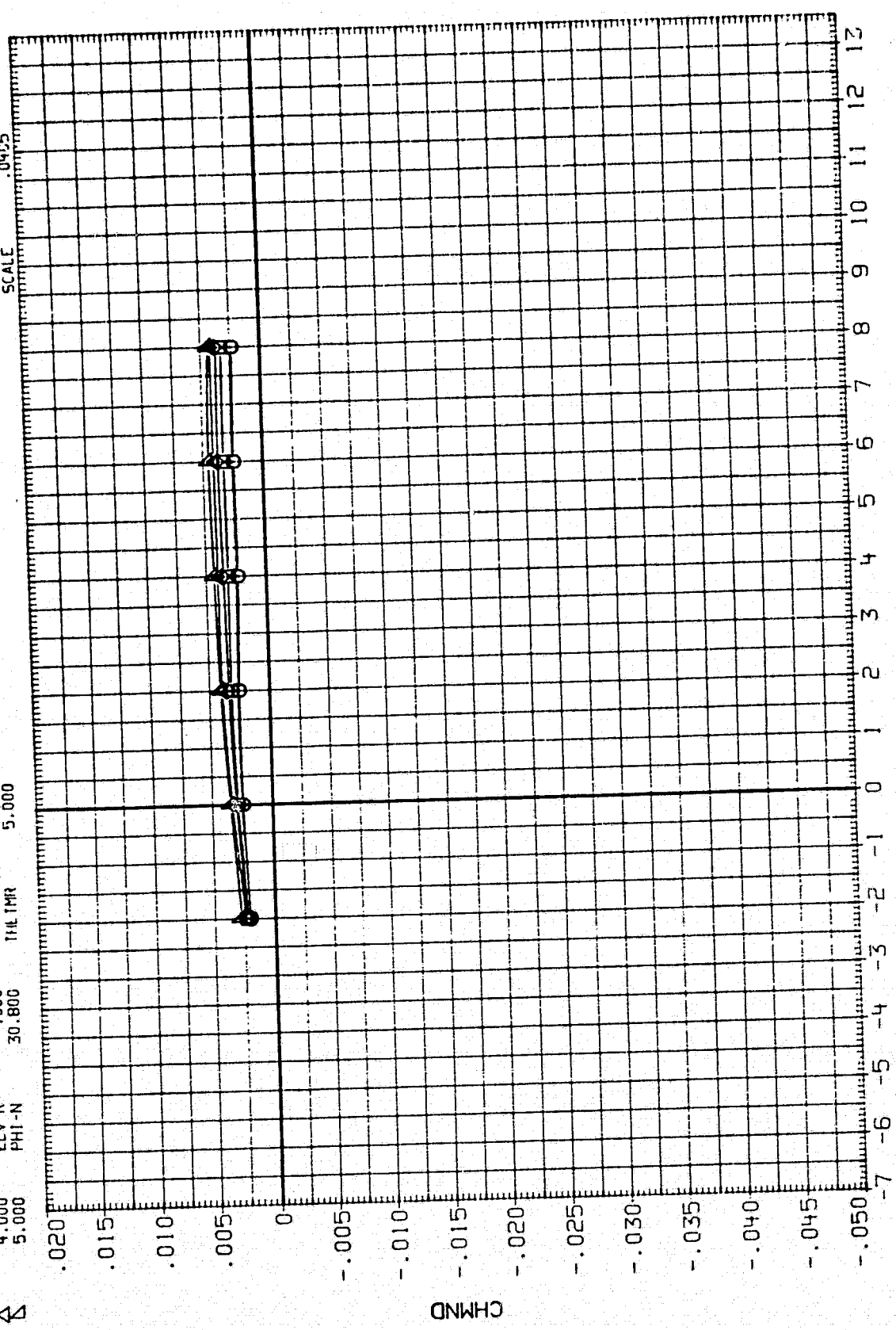


FIG 9 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 32.2 DEG

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
YMRP	1076.6800	IN. XO
ZMRP	375.0000	IN. YO
SCALE	.0405	IN. ZO

CONFIGURATION OA163B B68C12G20M16N28M127E5F10V8R5X911

PARAMETRIC VALUES	
BETA	THE TAN
-5.000	5.000
-4.000	32.200
-3.000	5.000
-2.000	32.200
-1.000	5.000

AFPH01
SYMBOL





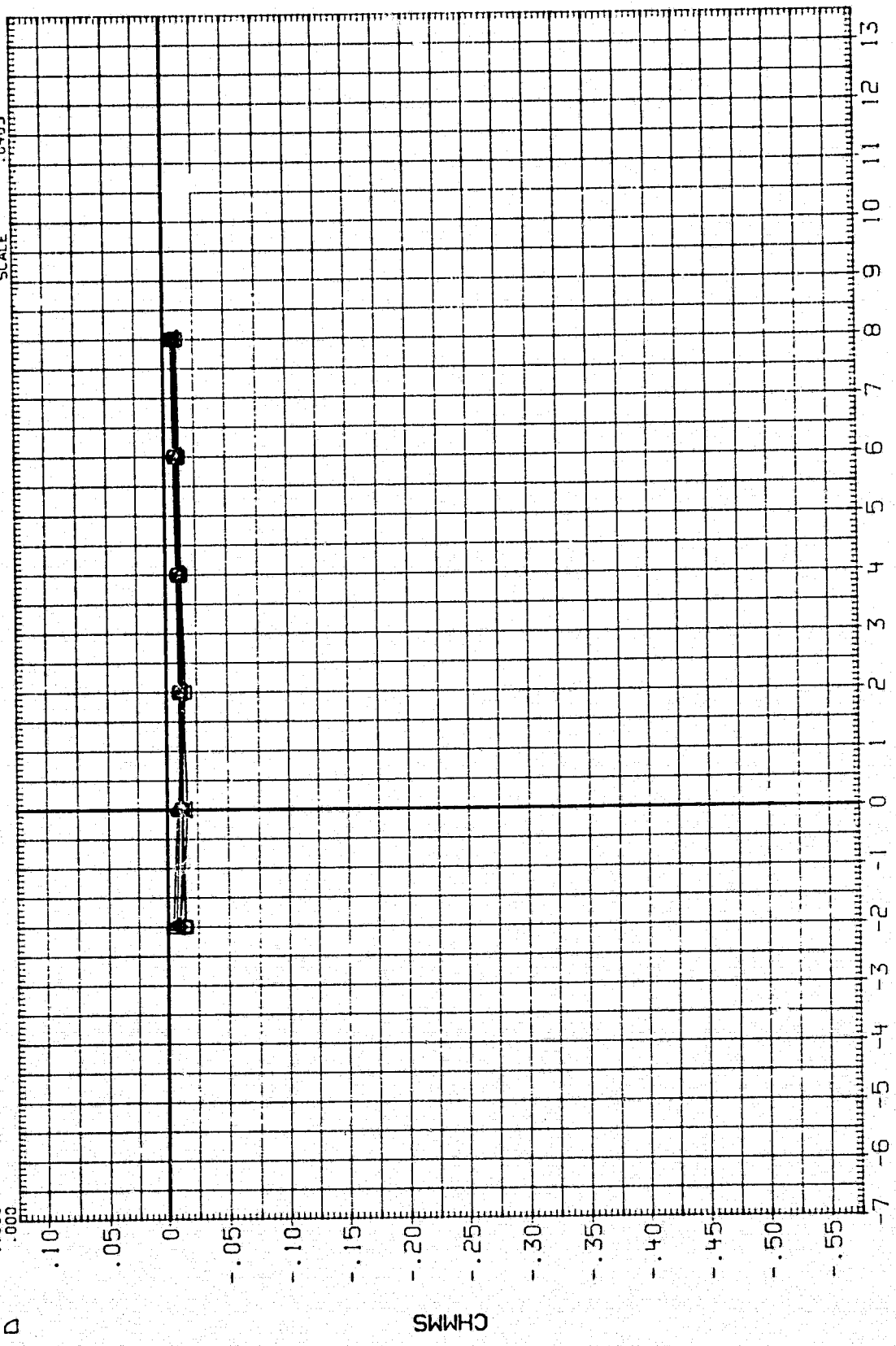



FIG 9 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 32.2 DEG

AFPH01 CONFIGURATION 0A163B B69C12020M16N2BWI27E5F10VBR5X911

BETA
SYMBOL
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△

PARAMETRIC VALUES	
SPDBRK	25.000
BDFLAP	32.200
ELV-L	5.000
ELV-R	32.200
PHI-N	30.800
THE TAN	5.000
PHI-ML	32.200
THE TML	5.000
PHI-MR	32.200
THE TMR	5.000

REFERENCE INFORMATION
SREF 2590.0000 SO.FT.
LREF 474.8100 INCHES
BREF 936.6800 INCHES
XMRP 1076.6800 IN. XO
YMRP .0000 IN. YO
ZMRP 375.0000 IN. ZO
SCALE .0405

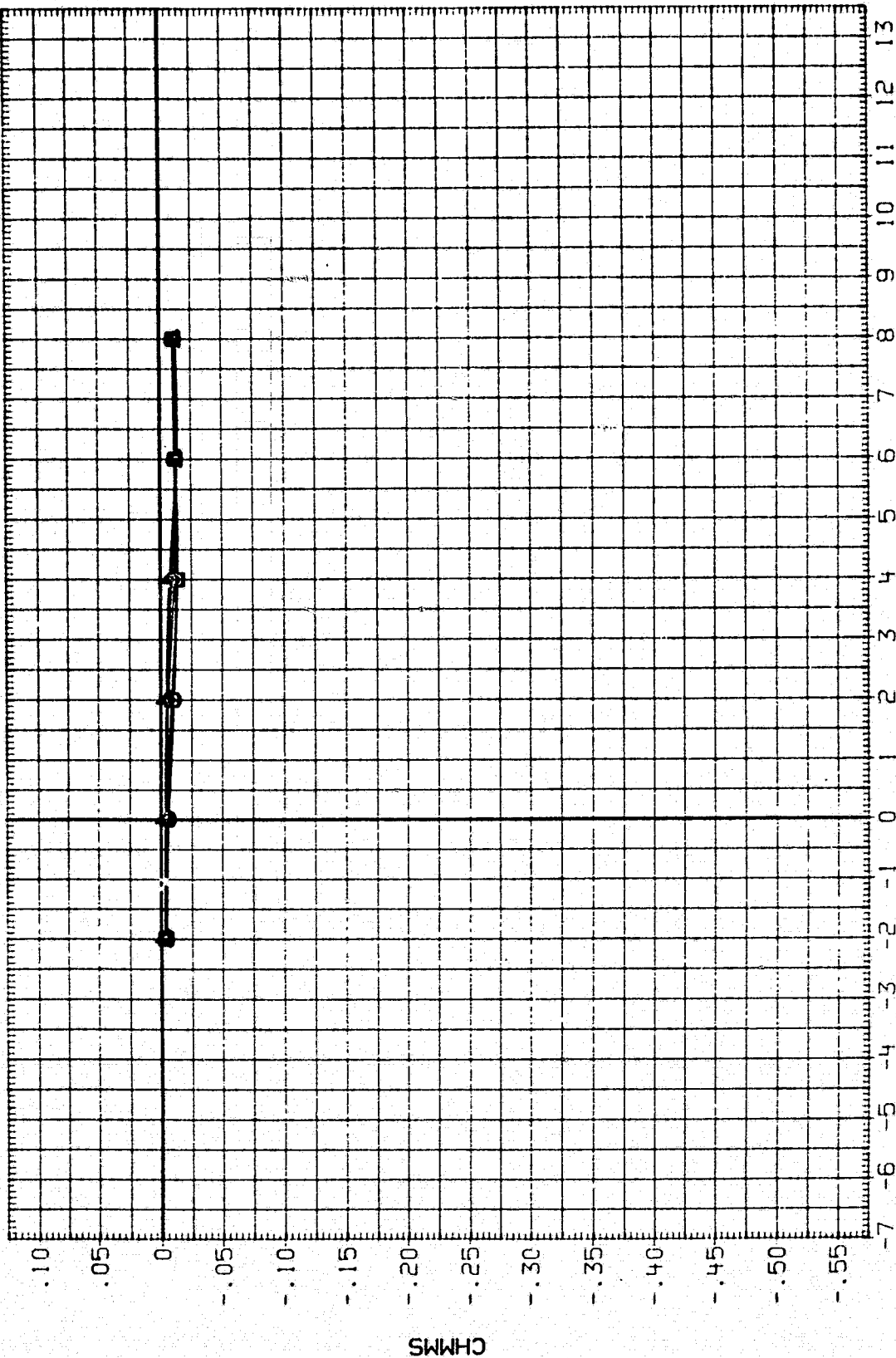


FIG 9 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 32.2 DEG

AFPH01 CONFIGURATION 0A1B3B B68C12G20M15N28W127E5F10V8R5X911

SYMBOL

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PARAMETRIC VALUES

BETA	SPDRBK	BDFLAP	ELV-L	ELV-R	PHI-N	THETAN	PHI-M	THETML	PHI-MR	THETMR
-5.000	25.000	.000	.000	.000	30.800	5.000	32.200	5.000	32.200	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ. FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0

SCALE

.0405

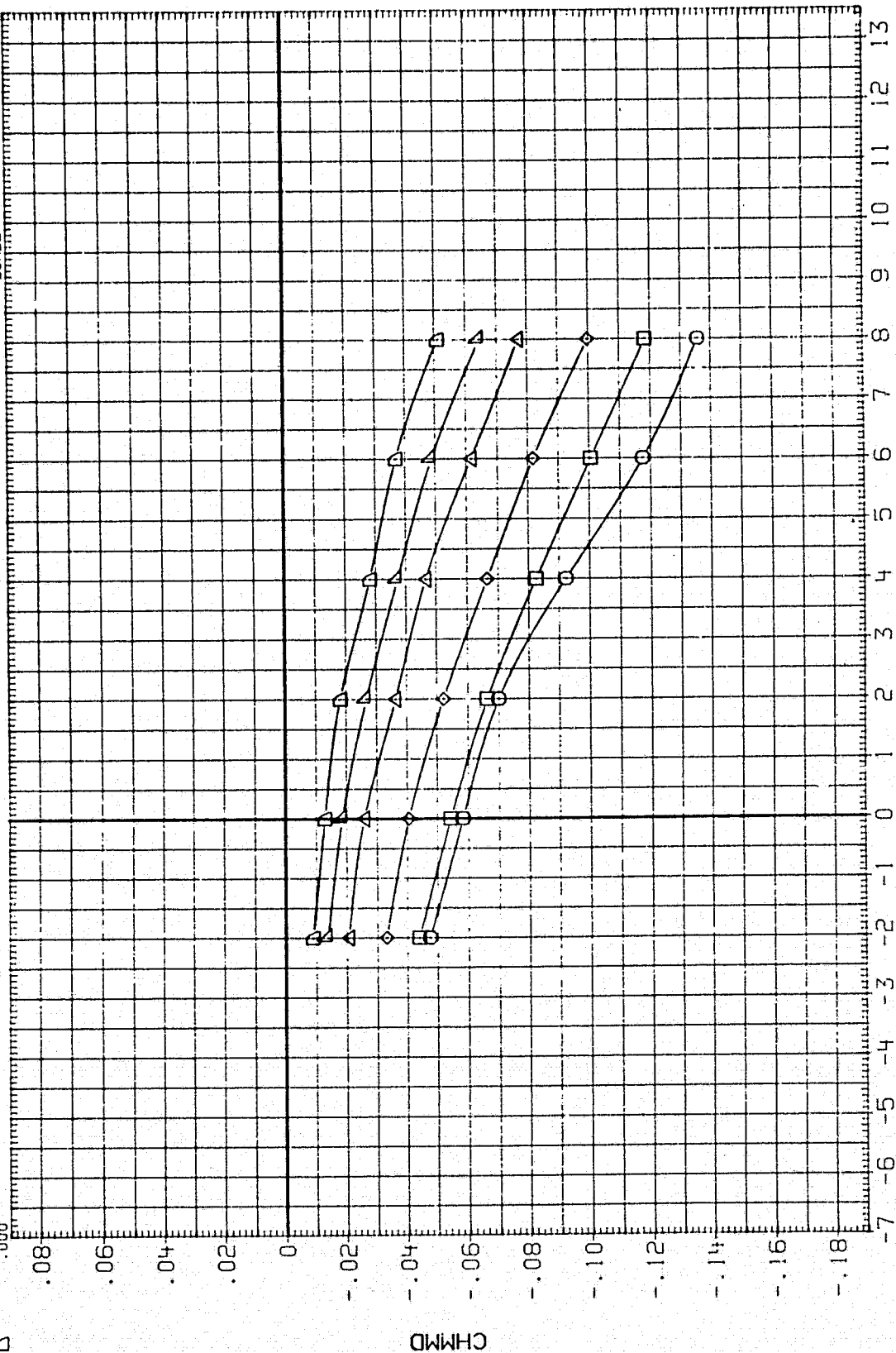


FIG 9 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 32.2 DEG

AFPH01
 SYMBOL
 1.000
 2.000
 3.000
 4.000
 5.000

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 474.8100 INCHES
 BREF 936.6800 IN. XO
 YMP 1976.6800 IN. YO
 YMAP 0.0000 IN. ZO
 ZMAP 375.0000 IN. ZO
 SCALE .0405

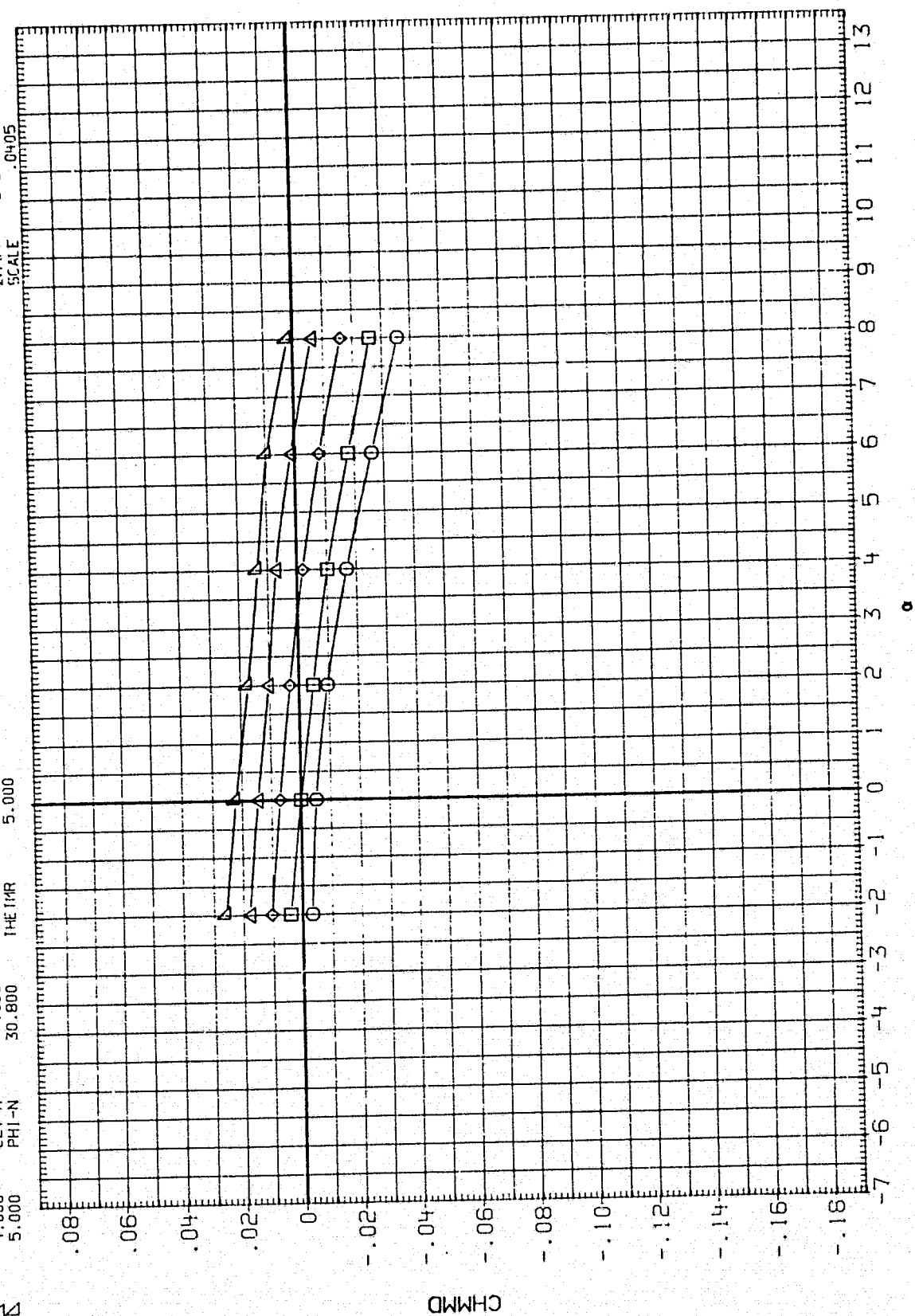


FIG 9 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 32.2 DEG
 PAGE 302

AFPH02
SYMBOL

CONFIGURATION OAI63B B68C12G20N16N28W127E5F10V8R5X911

BETA
-5.000
-4.000
-3.000
-2.000
-1.000
.000

PARAMETRIC VALUES

SPDBRK 25.000 THE TAN 5.000
BDFLAP .000 PHI-ML 36.000
ELV-L .000 THE TML 5.600
ELV-R .000 PHI-MR 36.000
PHI-N 30.800 THE TMR 5.600

REFERENCE INFORMATION

SREF 2690.0000 50.FT.
LREF 474.8100 INCHES
BREF 936.6800 INCHES
XMRP 1076.6800 IN. XO
YMRP .0000 IN. YO
ZMRP 375.0000 IN. ZO
SCALE .0405

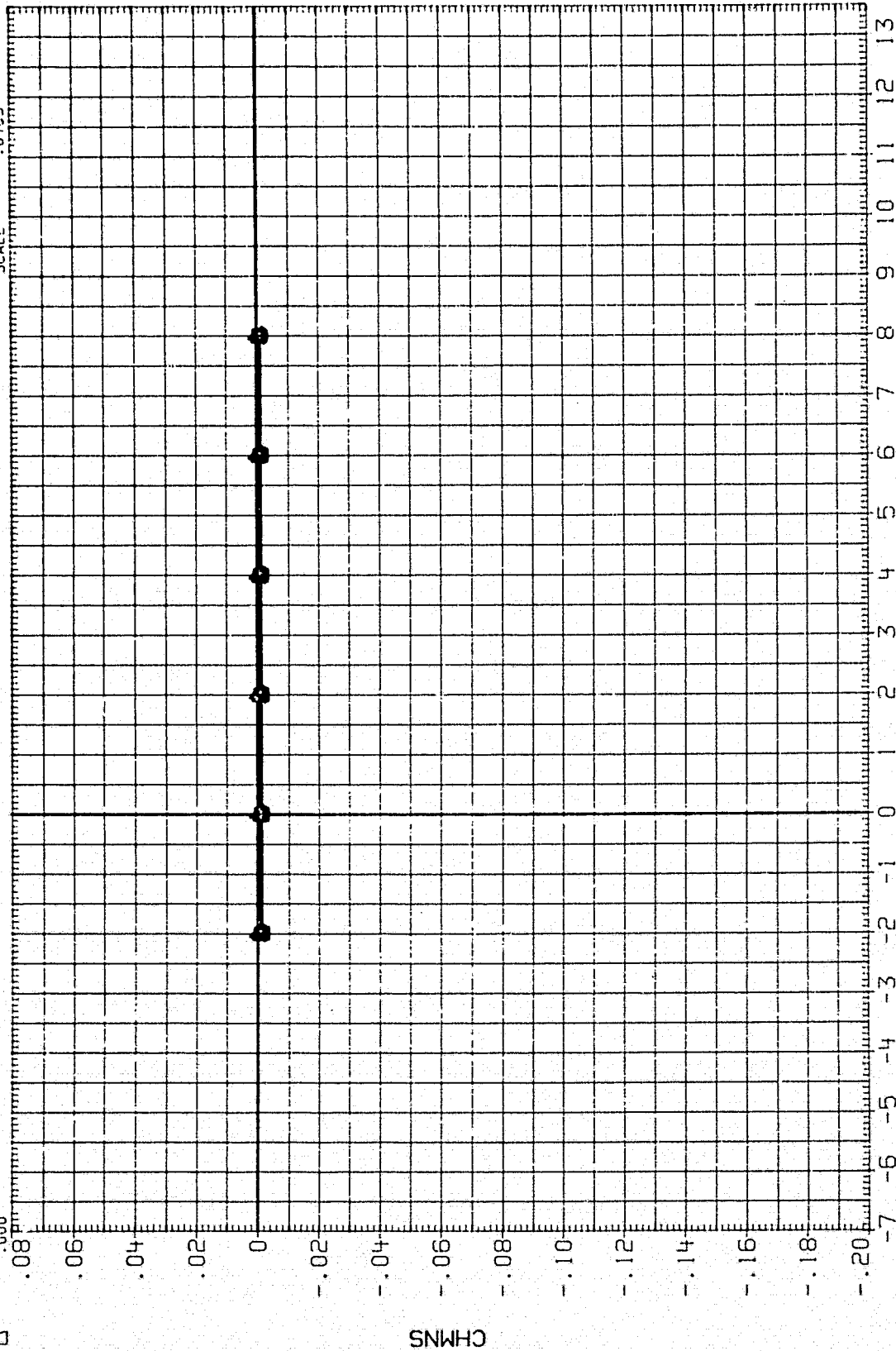


FIG 10 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 36.0 DEG

AFPH02 CONFIGURATION 0A163B B68C12G20M16N28H127E5F10V8P5X911

SYMBOL






BETA
 1.000
 2.000
 3.000
 4.000
 5.000

PARAMETRIC VALUES
 SPOBRK 25.000
 BOK-LAP .000
 ELV-L .000
 ELV-R .000
 PHI-N 30.800

THE TAN 5.000
 PHI-M 36.000
 THE TML 5.600
 PHI-MR 36.000
 THE TMR 5.600

REFERENCE INFORMATION
 SPEC 2690.0000 SQ.FT.
 LREF 474.8100 INCHES
 BREF 936.6900 INCHES
 YMRP 1076.6800 IN. XC
 YMRP .0000 IN. YC
 ZMRP 375.3000 IN. ZO
 SCALE .0405

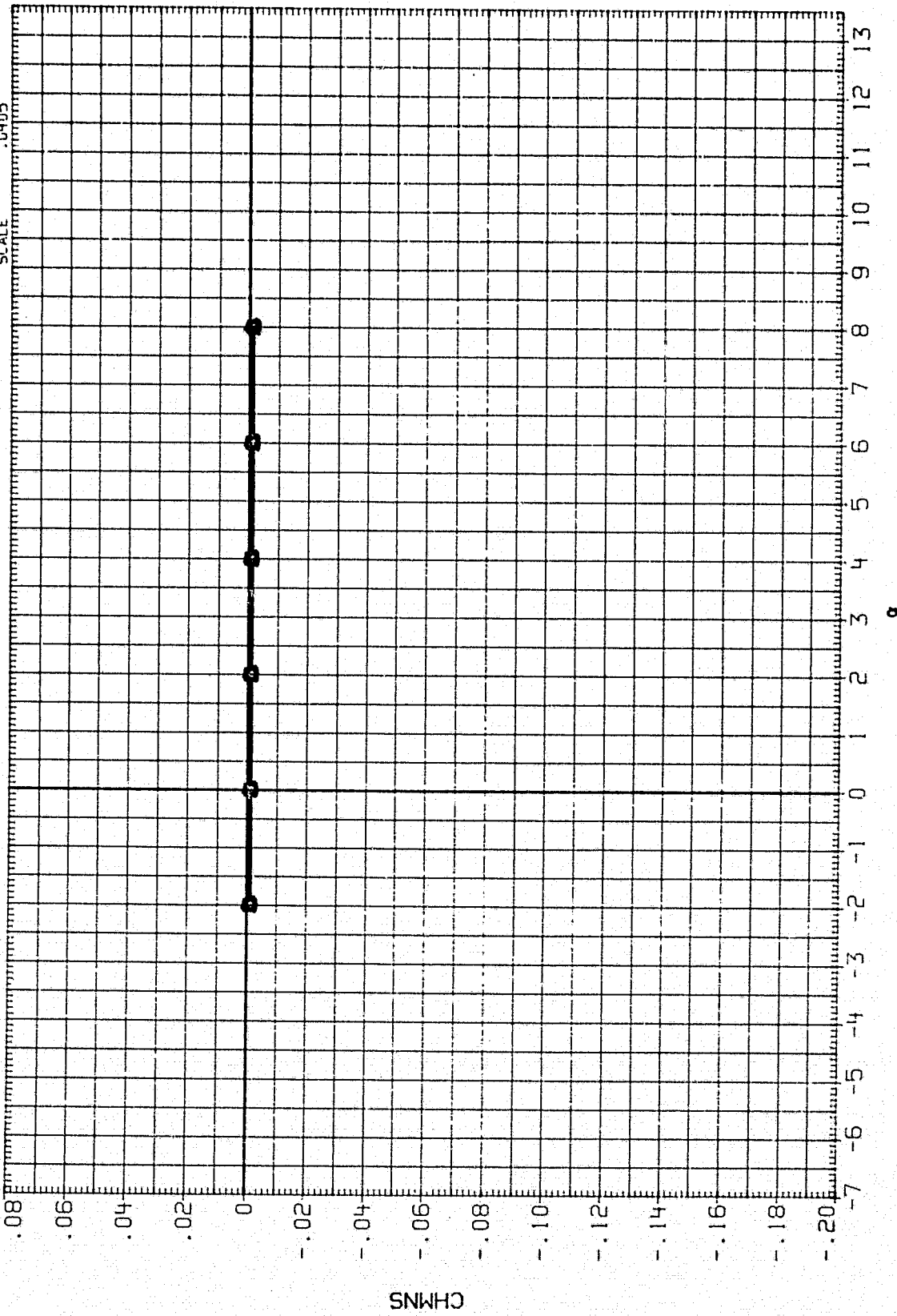


FIG 10 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 36.0 DEG

AFPH02
 SYMBOL

CONFIGURATION	BETA	SPDRBK	25.000	THE TAN	5.000
0A163B	-5.000	90FLAP	.000	PHI - ML	36.000
668C12G20M16N28W127E5F10V8R5X911	-4.000	ELV-L	.000	PHI - ML	5.600
	-3.000	ELV-R	.000	PHI - MR	36.000
	-2.000	PHI - N	30.800	THE TMR	5.600
	-1.000				
	.000				

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LPEF 474.8100 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.6800 IN. XO
 YMRP .0000 IN. YO
 ZMRP 375.0000 IN. ZO
 SCALE .0405

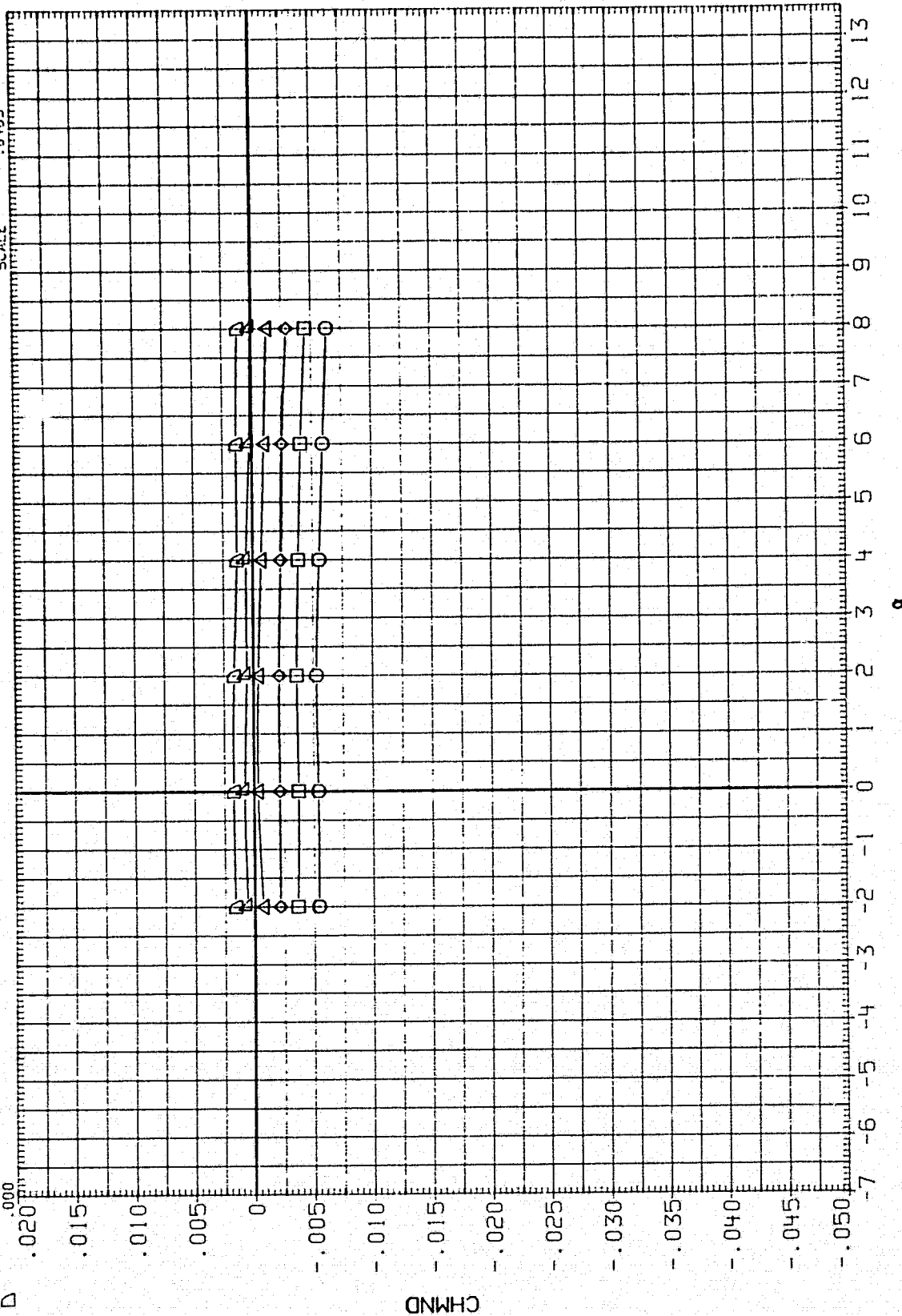


FIG 10 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 36.0 DEG

AFFH02
 SYMBOL
 1.000
 2.000
 3.000
 4.000
 5.000
 SPDBRK
 BDFLAP
 ELV-L
 ELV-R
 PHI-N
 25.000
 .000
 .000
 .000
 30.800
 THE TAN
 PHI-M
 THE TML
 PHI-MR
 THE IMR
 5.000
 36.000
 5.600
 36.000
 5.600

CONFIGURATION 0A163B BBBC12020M16N28W127E5F10V8F5X911
 REFERENCE INFORMATION
 SREF 2690.0000 SO.FT.
 LREF 474.8100 INCHES
 BREF 936.6900 INCHES
 XMRP 1076.6800 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0405

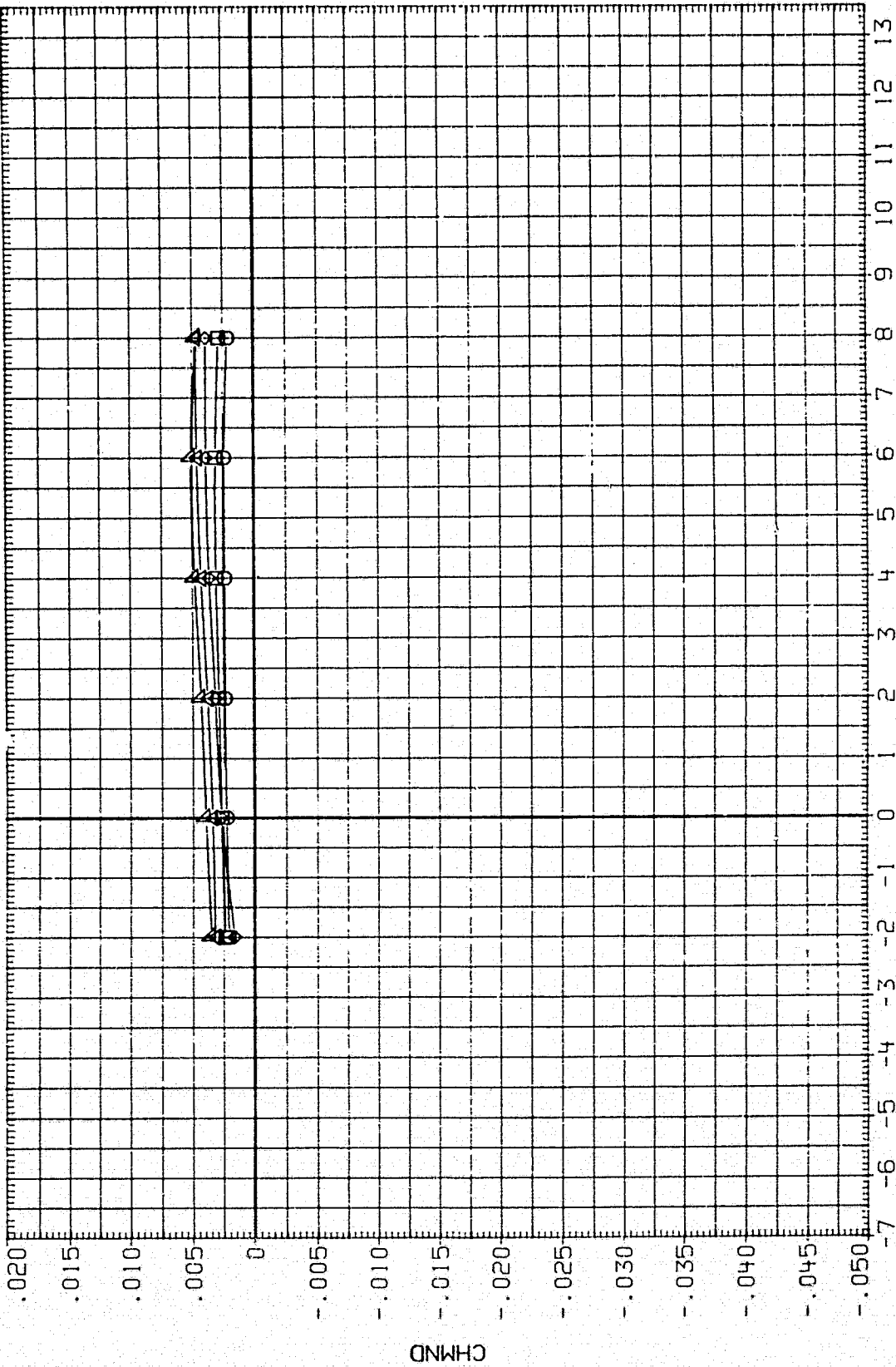


FIG 10 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 36.0 DEG

AFPH02
SYMBOL

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CONFIGURATION 0A163B B68C12G20M16N28M127E5F10V85X911

PARAMETRIC VALUES

BETA	SPDRK	25.000	THE TAN	5.000
-5.000	BDF LAP	.000	PHI ML	36.000
-4.000	ELV-L	.000	THE ML	5.600
-3.000	ELV-R	.000	PHI MR	36.000
-2.000	PHI-N	30.800	THE MR	5.600
-1.000				
.000				

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO

SCALE

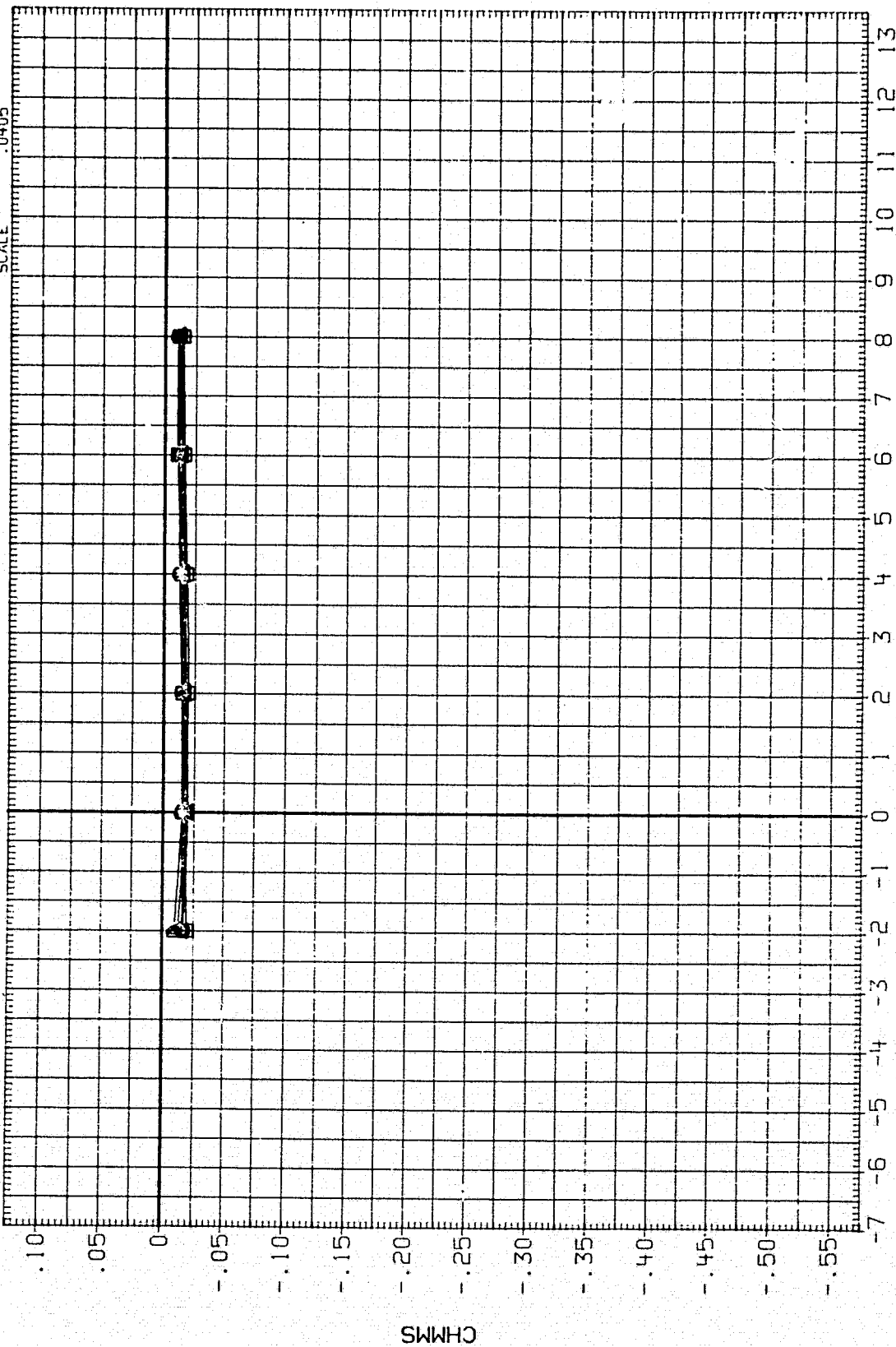


FIG 10 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 36.0 DEG

AFPH02
SYMBOL

CONFIGURATION 0A1639 B68C12020M16N28K127E5F 10V8R5X911
BETA
1.000 SPDBRK 25.000 THE TAN 5.000
2.000 BDFLAP .000 PHI-ML 36.000
3.000 ELV-L .000 THE TML 5.600
4.000 ELV-R .000 PHI-MR 36.000
5.000 PHI-N 30.800 THE TMR 5.600

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LPEF 474.8100 INCHES
BREF 936.6800 INCHES
XMRP 1076.6800 IN. XO
YMRP .0000 IN. YO
ZMRP 375.0000 IN. ZO
SCALE .0405

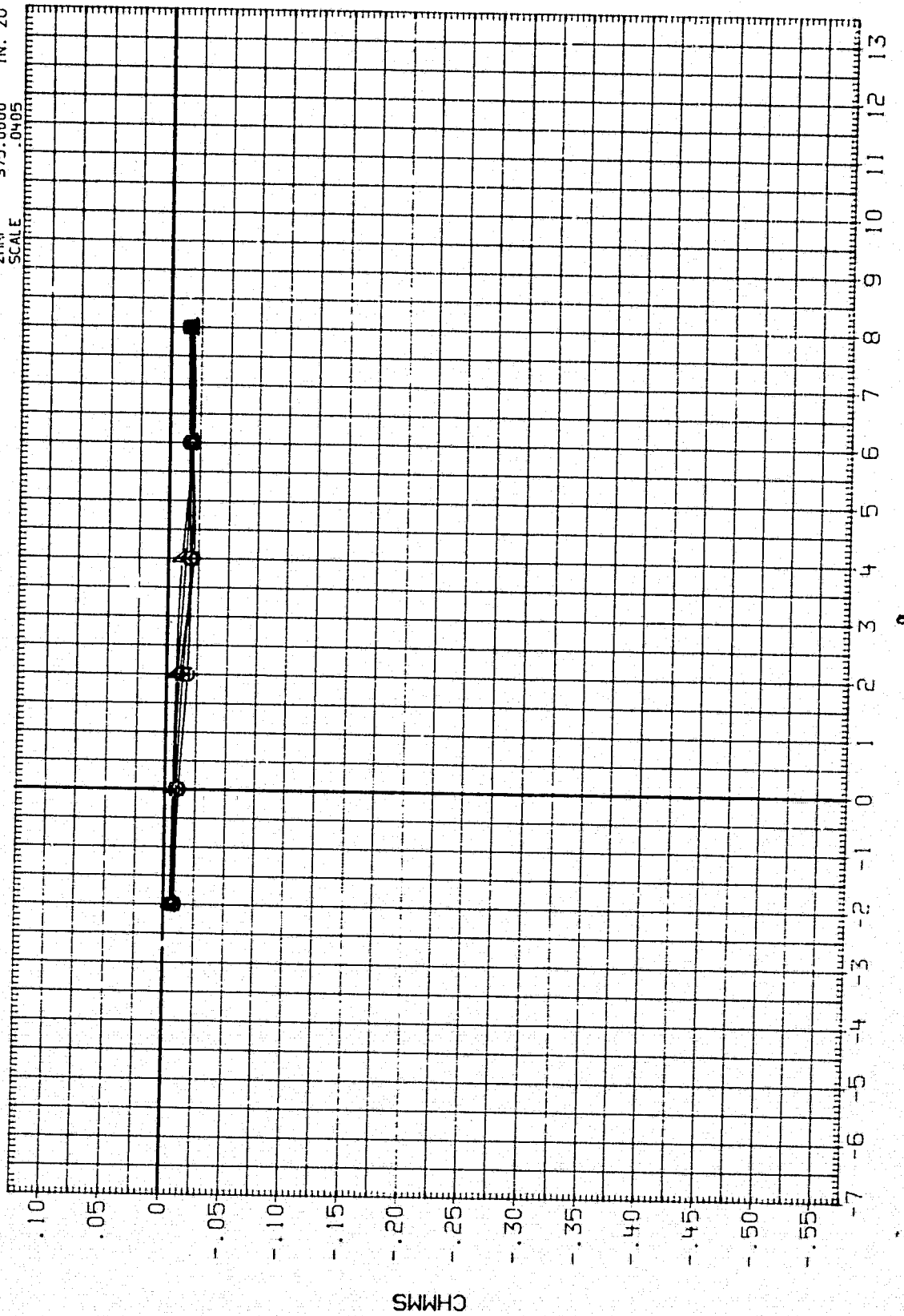


FIG 10 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 36.0 DEG

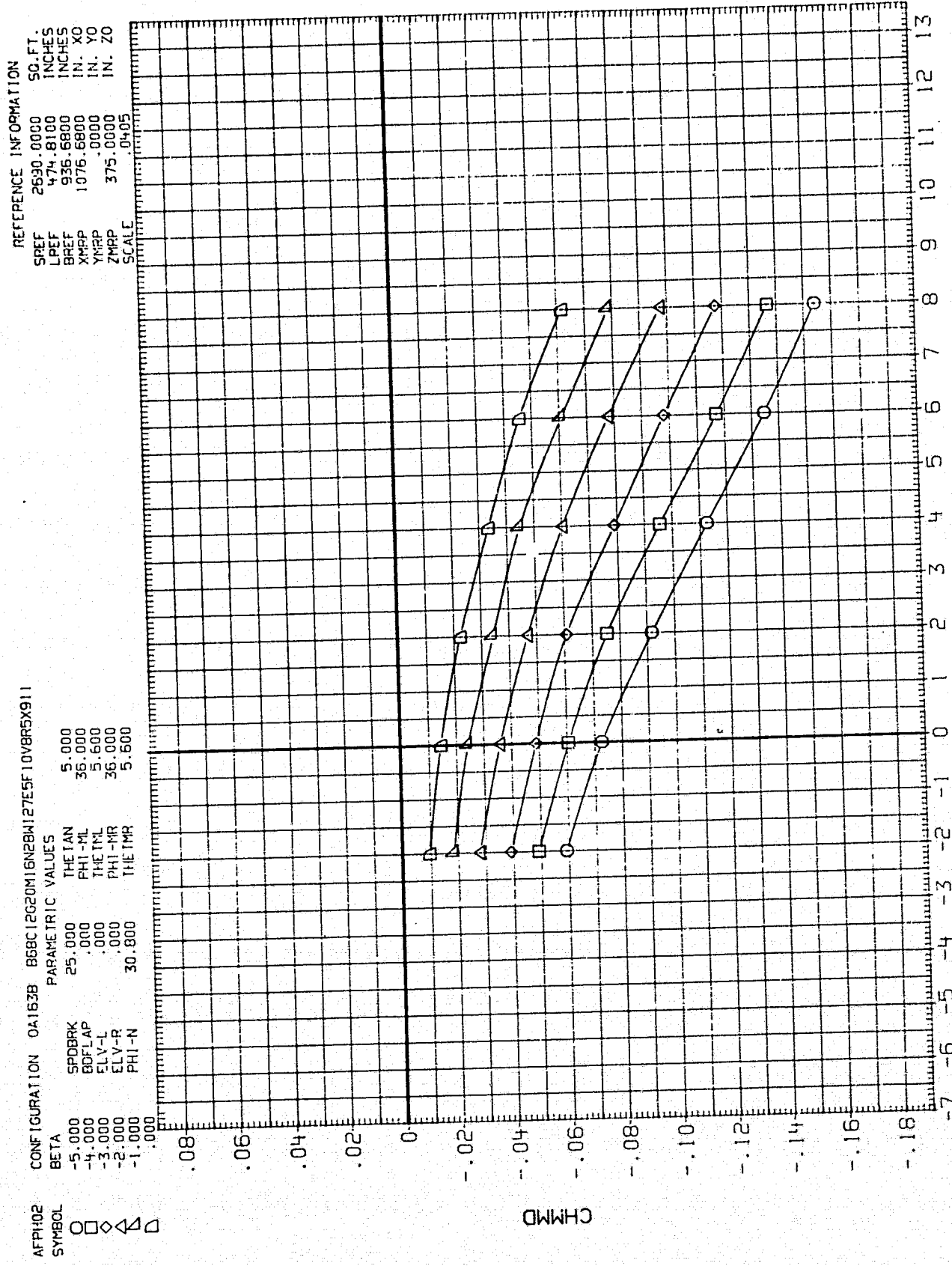


FIG 10 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 36.0 DEG

AFPH02
 SYMBOL
 1.000
 2.000
 3.000
 4.000
 5.000
 SPOBRK
 BDFLAP
 ELV-L
 ELV-R
 PHI-N
 25.000
 .000
 .000
 30.800
 THE TAN
 PHI-ML
 THE TML
 PHI-MR
 THE TMR
 5.000
 36.000
 5.600
 36.000
 5.600

CONFIGURATION 0A163D B6BC12G20M16N28W127E5F10V8R5X911
 REFERENCE INFORMATION
 SREF 2690.0000 SO.FT.
 LREF 474.8160 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.6800 IN. XO
 YMRP .0000 IN. YO
 ZMRP 375.0000 IN. ZO
 SCALE .0405

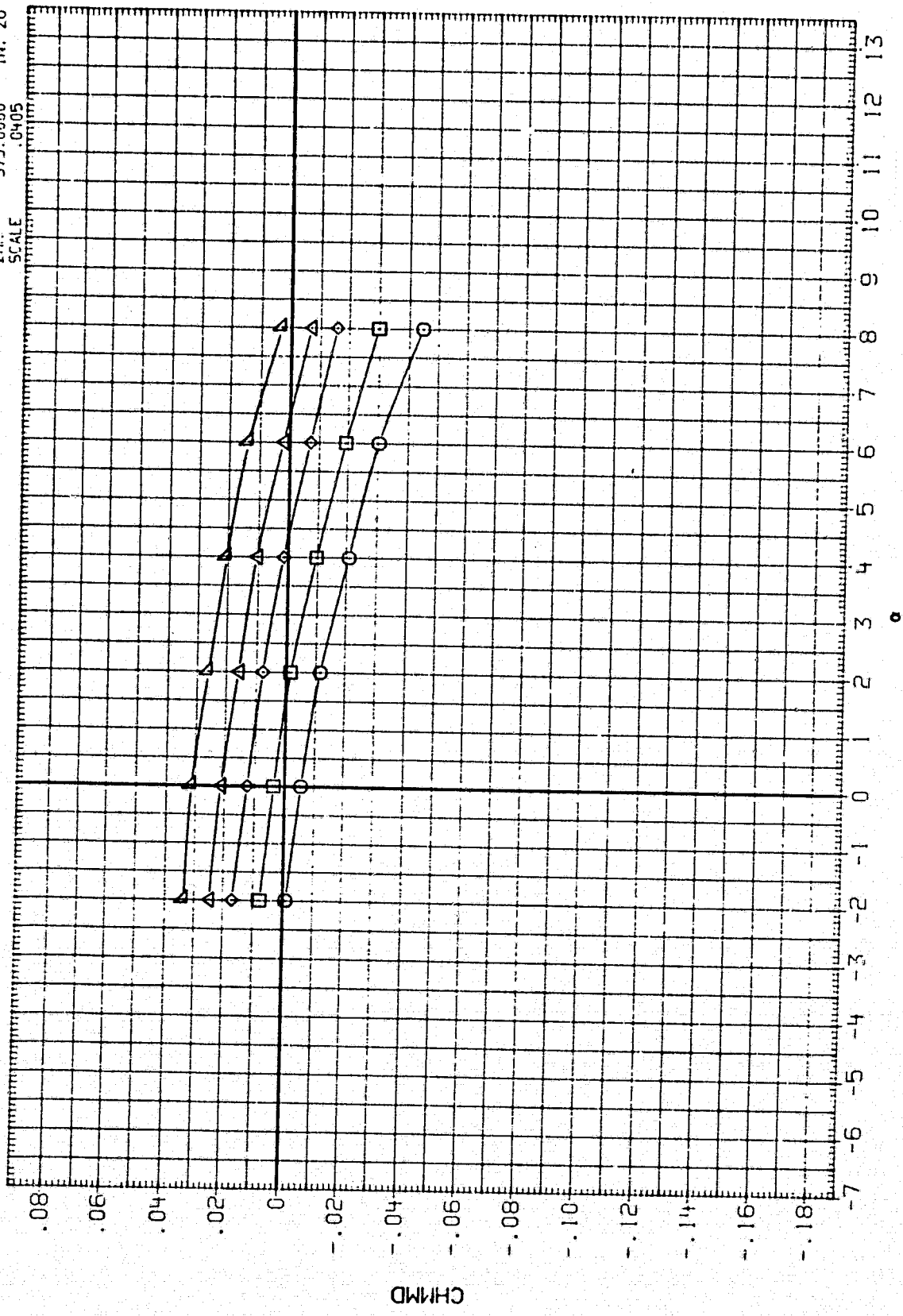


FIG 10 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 36.0 DEG

REFERENCE INFORMATION

SREF	2690.0000	SO. FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0600	IN. Z0
SCALE	.0405	

CONFIGURATION 0A163B B68C12G20M16N20M127E5F10VBR5X911

PARAMETRIC VALUES	
BETA	5.000
SPDRBK	40.000
BDFLAP	6.200
ELV-L	40.000
ELV-R	6.200
PHI-L	5.000
PHI-R	5.000
THE TAN	5.000
THE INL	40.000
THE INR	6.200

AFPH02
SYMBOL

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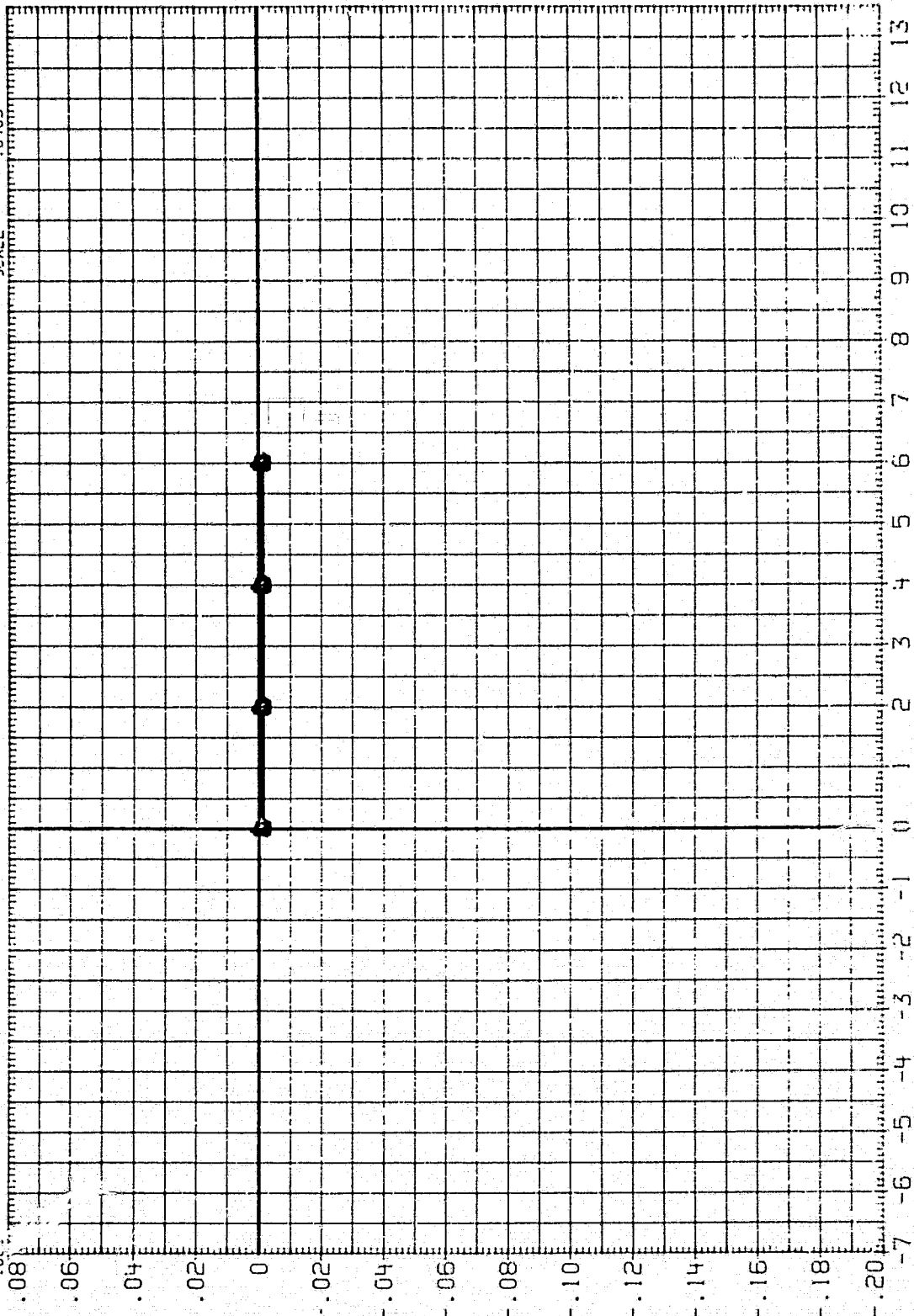


FIG 11 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 40.0 DEG

PAGE 311

AFPH03
SYMBOL

CONFIGURATION 0A163B B6BC12G20M16N28W127E5F10V8R5X911
BETA 1.000 2.000 5.000
SPOBRK BOFLAP ELV-L ELV-R PHI-N
PARAMETRIC VALUES
25.000 5.000
.000 40.000
.000 6.200
.000 40.000
30.800 6.200

REFERENCE INFORMATION
SREF 2690.0000 SQ. FT.
LPEF 474.8100 INCHES
BREF 936.6800 INCHES
XREF 1075.6800 IN. XO
YREF .0000 IN. YO
ZREF 375.0000 IN. ZO
SCALE .0405

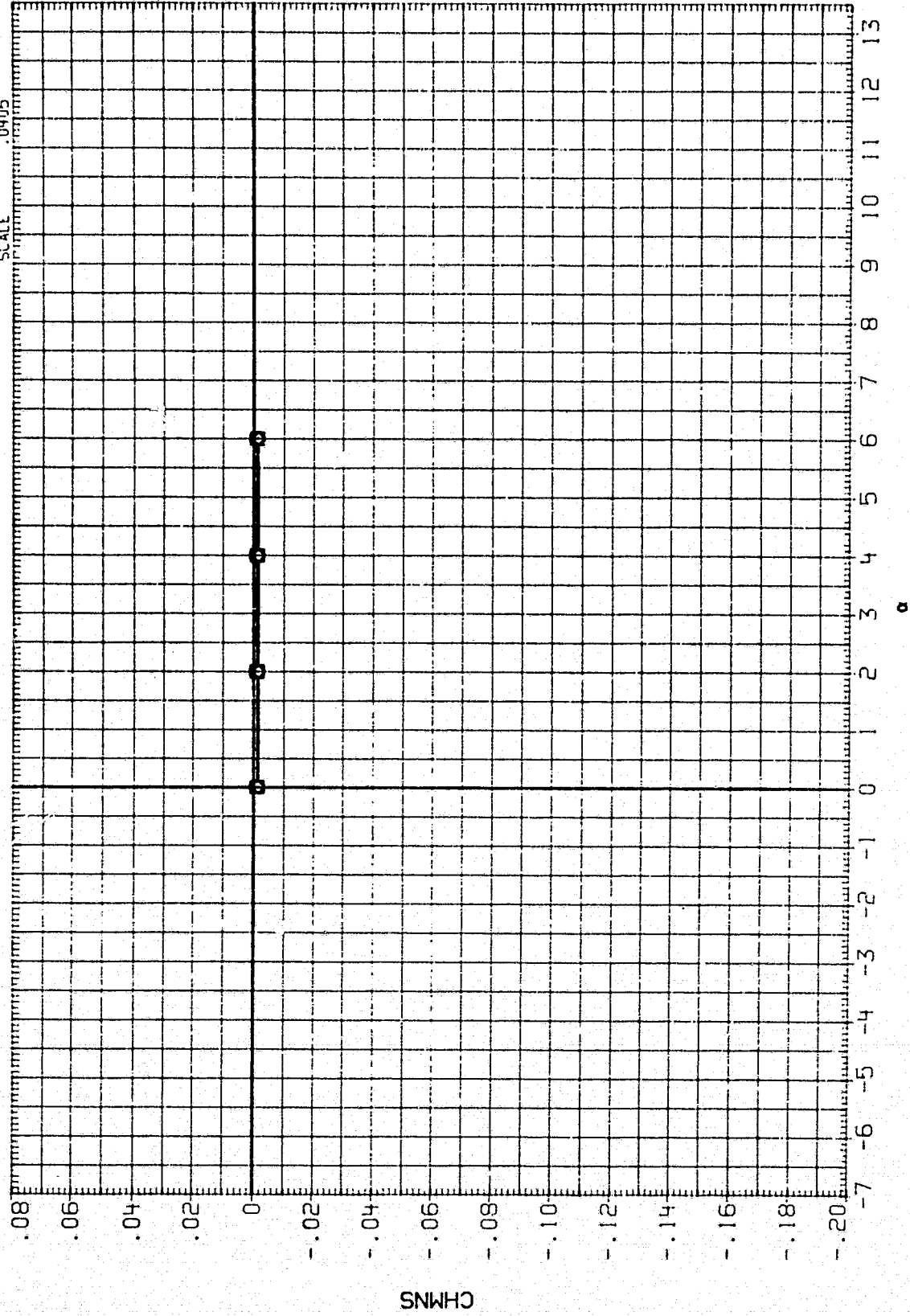


FIG 11 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 40.0 DEG

AFPH03

SYMBOL

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CONFIGURATION

0A1638

B66C12020M16N28W127E5F10V8R5X911

BETA

-5.000

-4.000

-3.000

-2.000

-1.000

.000

SPDBRK

BDFLAP

ELV-L

ELV-R

PHI-N

25.000

.000

.000

.000

30.800

PARAMETRIC VALUES

THE TAY

PHI-ML

THE TML

PHI-MR

THE TMR

5.000

40.000

6.200

40.000

6.200

REFERENCE INFORMATION

SREF

2690.0000

50. FT.

LREF

474.8100

INCHES

BREF

936.6800

IN. X0

XMRP

1076.6800

IN. Y0

YMRP

.0000

IN. Z0

ZMRP

375.0000

IN. Z0

SCALE

.0405

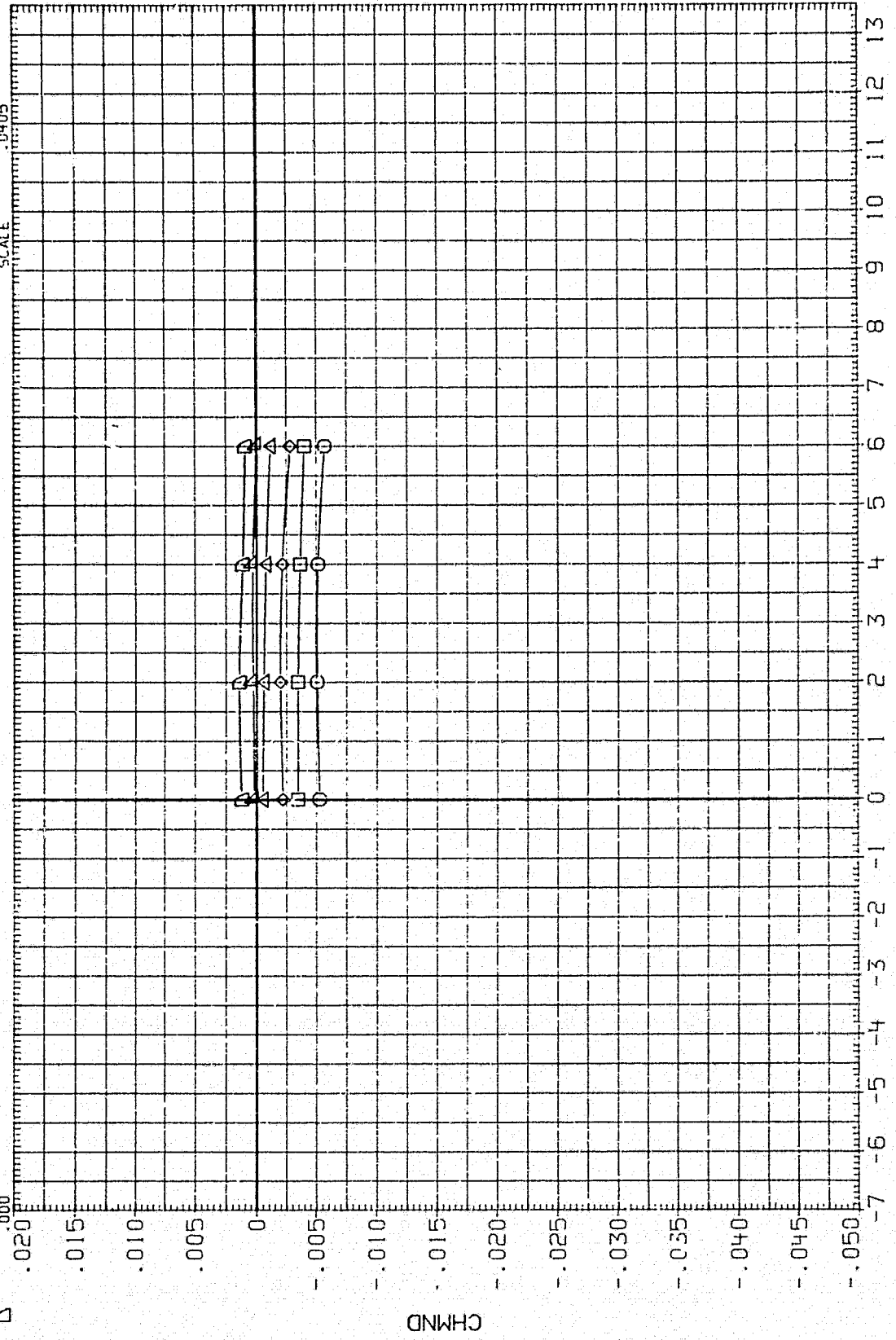


FIG 11 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 40.0 DEG

PAGE 313

AFPH03
SYMBOL

□ ◇

CONFIGURATION 0A1639 B68C12G20M16N28M127E5F10V895X911

BETA

1.000
2.000
5.000

SPDRK
BDFLAP
ELV-L
ELV-R
PHI-N

25.000
.000
.000
30.800

PARAMETRIC VALUES

THE TAN
PHI-M
THE TML
PHI-MR
THE TMR

5.000
40.000
6.200
40.000
6.200

REFERENCE INFORMATION

SPEF 2690.0000 SQ. FT.
LREF 474.8100 INCHES
BREF 936.6800 INCHES
XMRP 1076.6800 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0

SCALE .0405

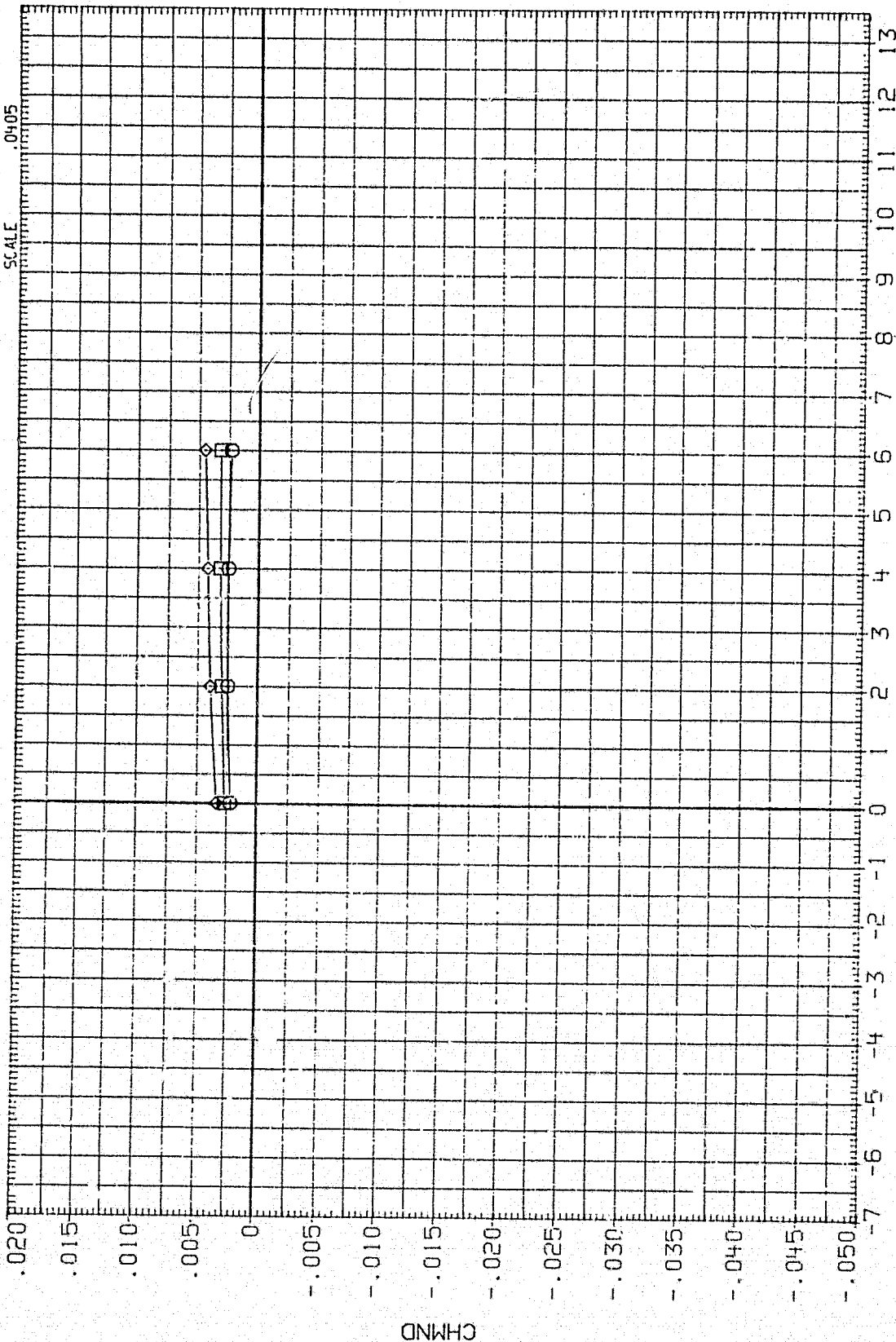


FIG 11 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 40.0 DEG

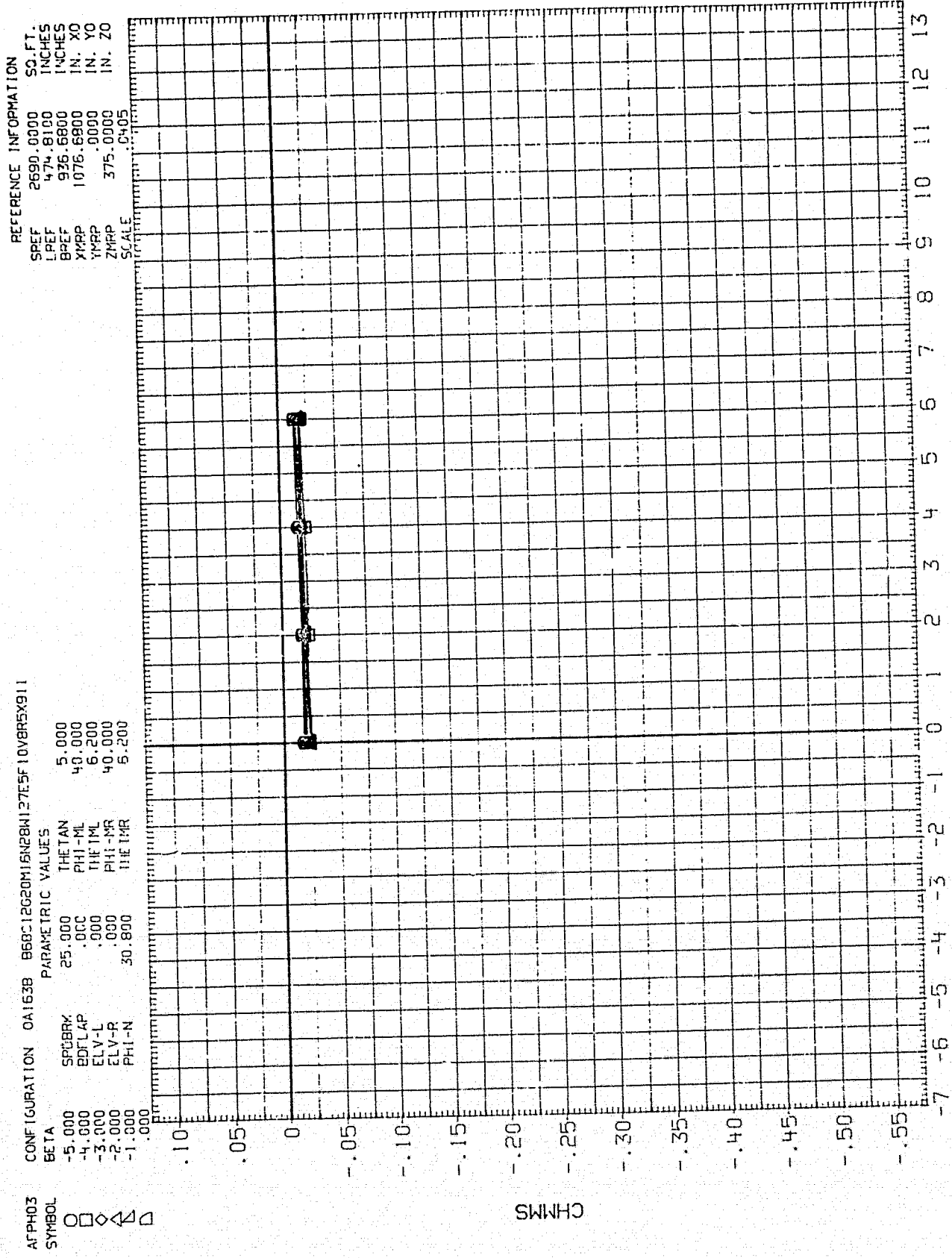


FIG 11 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 40.0 DEG

AFPH03
SYMBOL
1.000
2.000
5.000
SPDRK
BOXLAP
ELV-L
ELV-R
PHI-N
25.000
.000
.000
30.800
OAI63B
B6C12G20M16N26M127E5F10VBR5X911
PARAMETRIC VALUES
THETAN
PHI ML
THE ML
PHI-MR
THE MR

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8100 INCHES
BREF 936.6800 INCHES
XMRP 1076.6800 IN. XO
YMRP .0000 IN. YO
ZMRP 375.0000 IN. ZO
SCALE .0405

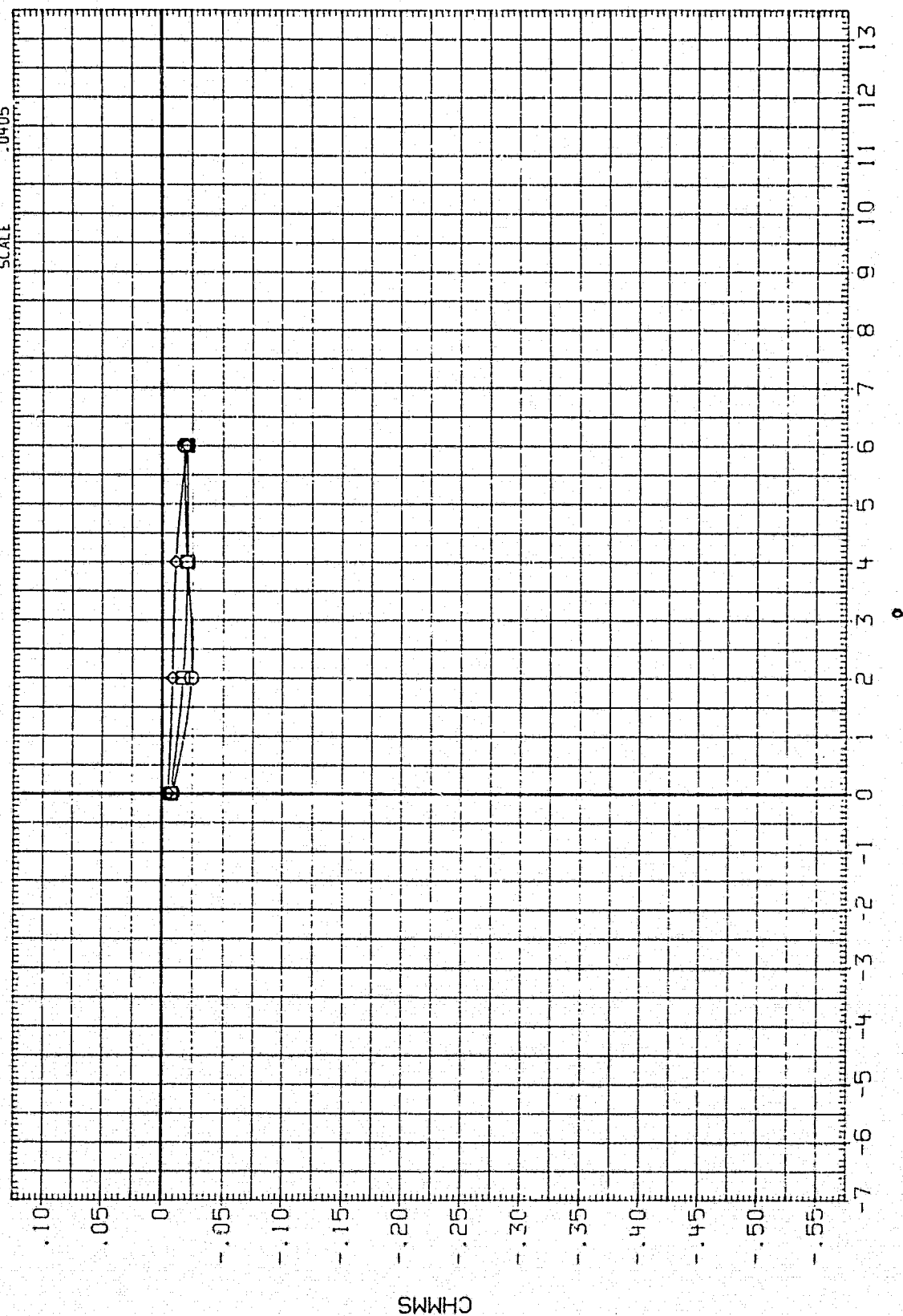


FIG 11 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 40.0 DEG

REFERENCE INFORMATION

SREF	2620.0000	50.FT.
LPEF	474.8100	INCHES
BREF	936.6800	IN. X0
YMPP	1075.6800	IN. Y0
ZMPP	.0000	IN. Z0
SCALE	375.0000	IN. Z0
	.0425	

CONFIGURATION 0A163B B08C12020M16N28W127E5F10V8R5X911

BETA	SPDRK	PARAMETRIC VALUES	THE TAN
-5.000	BDTAP	25.000	PHI-M
-4.000	ELV-L	.000	THE TML
-3.000	ELV-R	.000	PHI-MR
-2.000	PHI-N	30.800	THE TMR
-1.000			
.000			

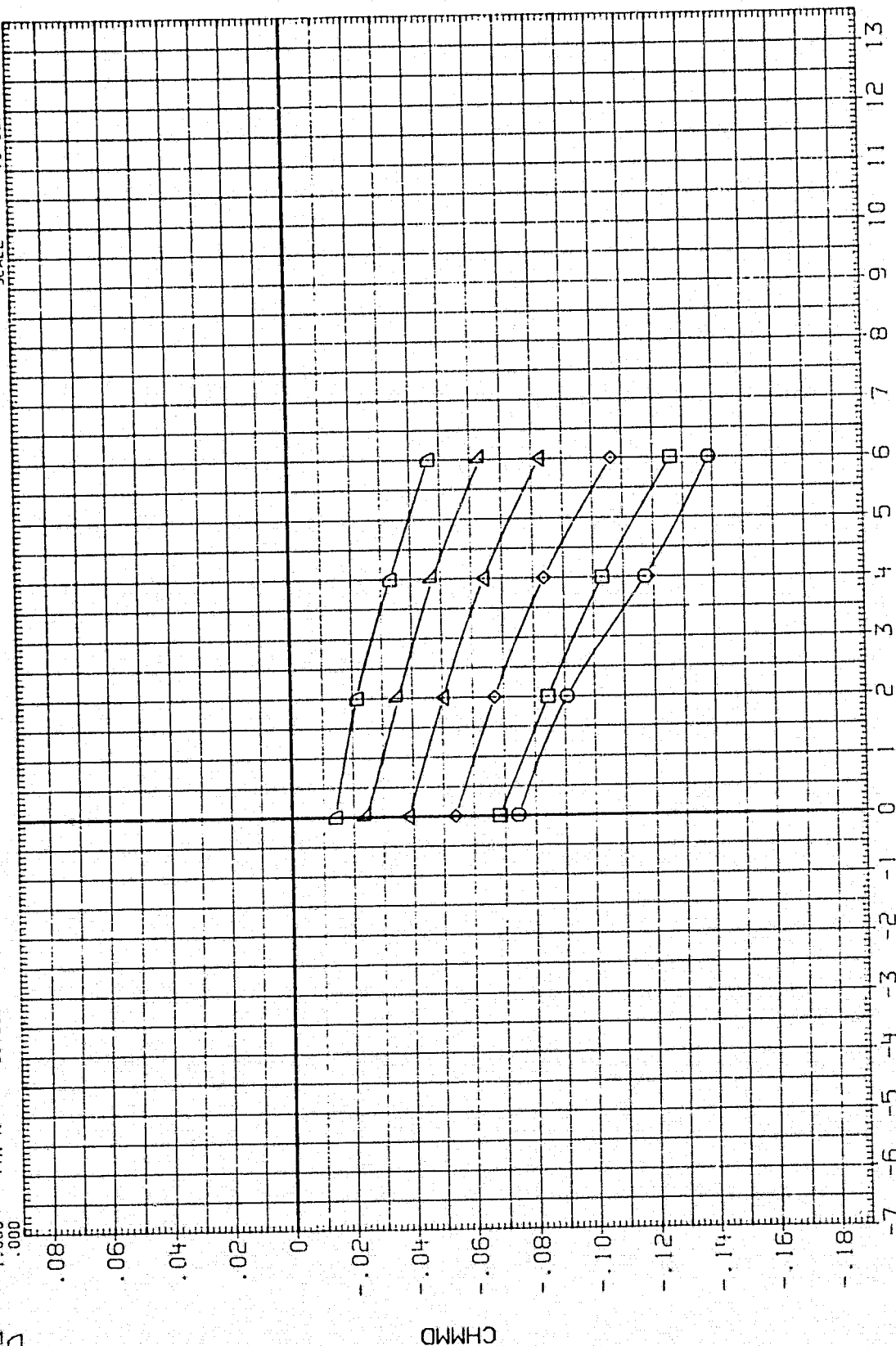


FIG 11 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 40.0 DEG

AFPH03
SYMBOL

CONFIGURATION 0A163B R68C12G20M16N28M127E5F10V8R5X911

BETA 1.000 2.000 5.000
SPDBRK 25.000
BOFLAP .000
ELV-L .000
ELV-R .000
PHI-N 30.800
THETAN 5.000
PHI-ML 40.000
THE-TML 6.200
PHI-MR 40.000
THE-MR 6.200

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8100 INCHES
BREF 936.6800 INCHES
XMRP 1076.6800 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0405

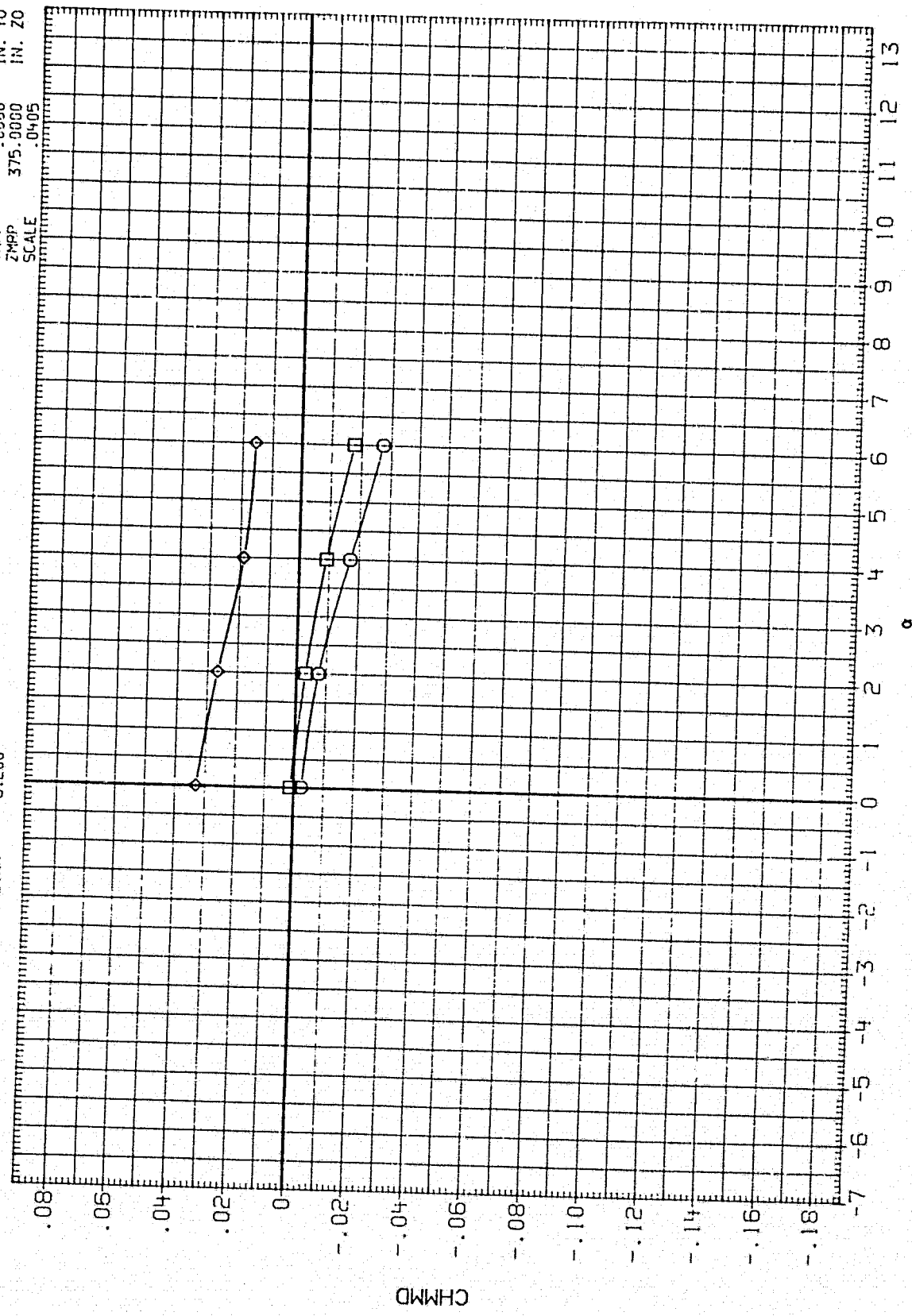


FIG 11 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS PHI-M = 40.0 DEG

DATA SET SYMBOL

AFPH04
AFPH07

□

CONF IGURATION

0A163B B58C12320M16128W127L5F10V8F5X911
0A163B B58C12320M16128W127L5F10V8F5X911

THE TAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV -L	BDF LAP
5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

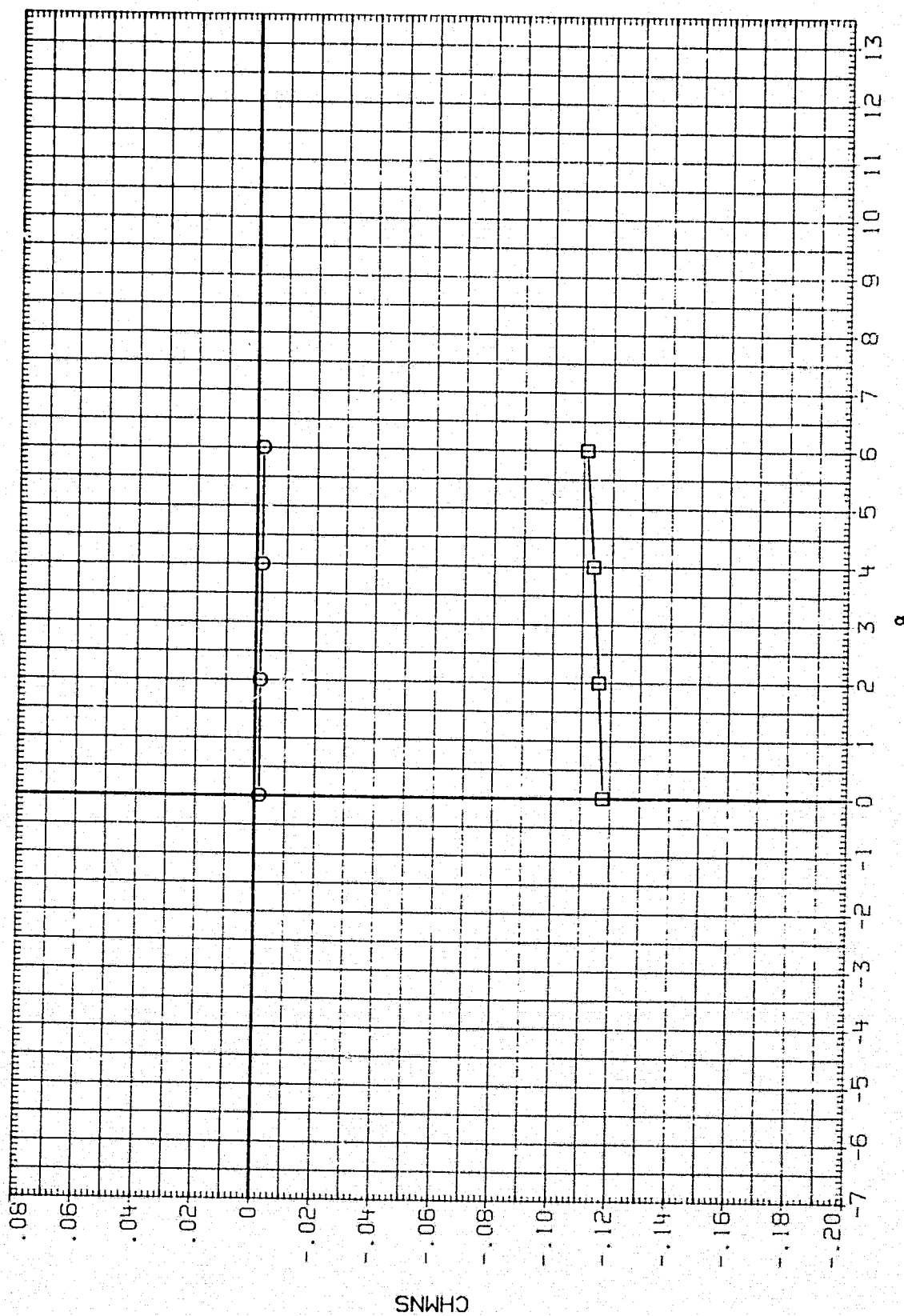


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGED MOMENTS, PHI-M = 26.0 DEG

(A) BETA = -5.00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH04	0A163B 868C12G20M16128W127L5F10V8R5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	0A163B 868C12G20M16128W127L5F10V8R5X911	108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

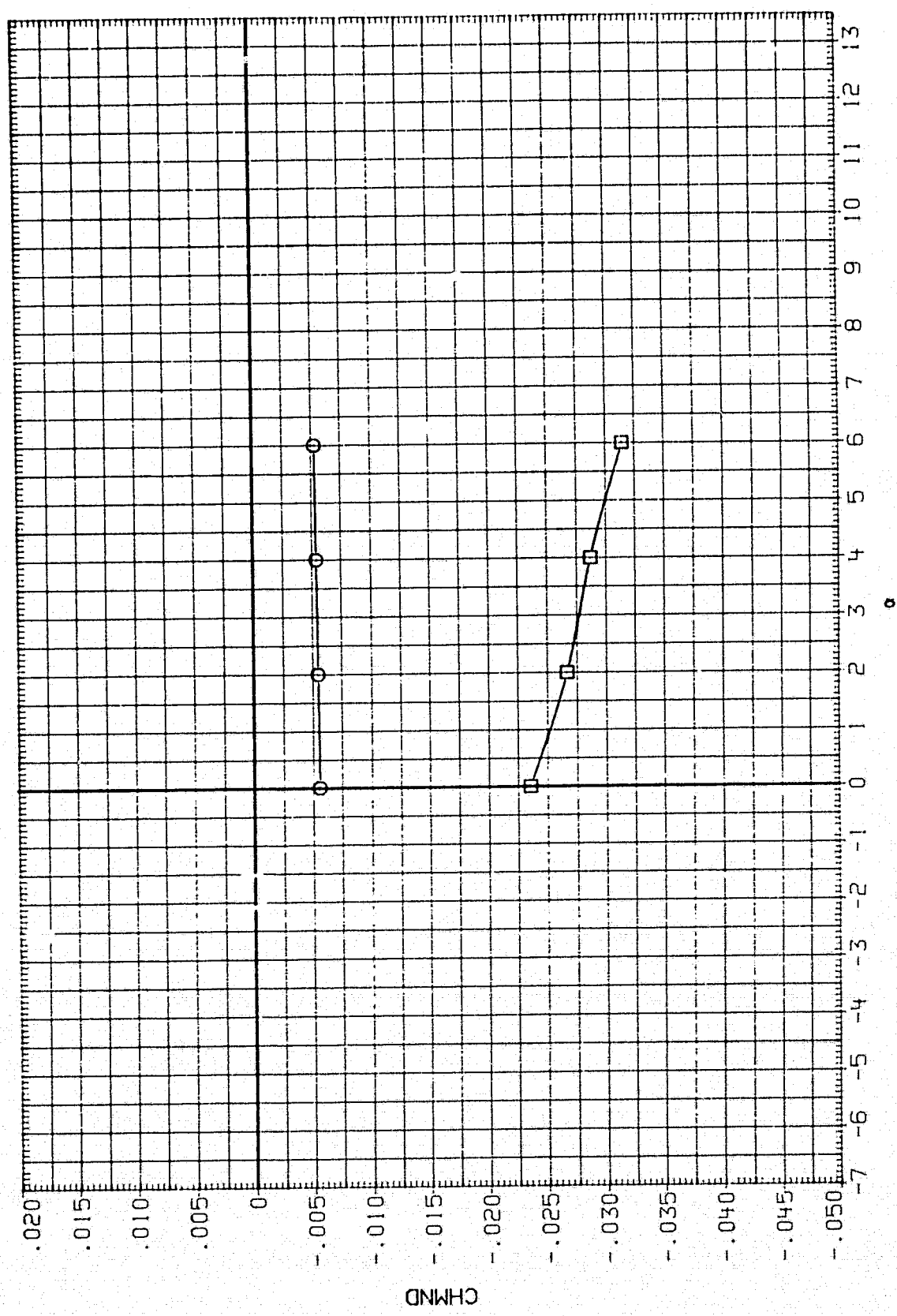


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 26.0 DEG

(A) BETA = -5.00

DATA SET SYMBOL

AFPH04
AFPH07



CONFIGURATION

0A163B B68C12020M16N2841275F10V8R5X911
0A163B B68C12020M16N2841275F10V8R5X911

THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

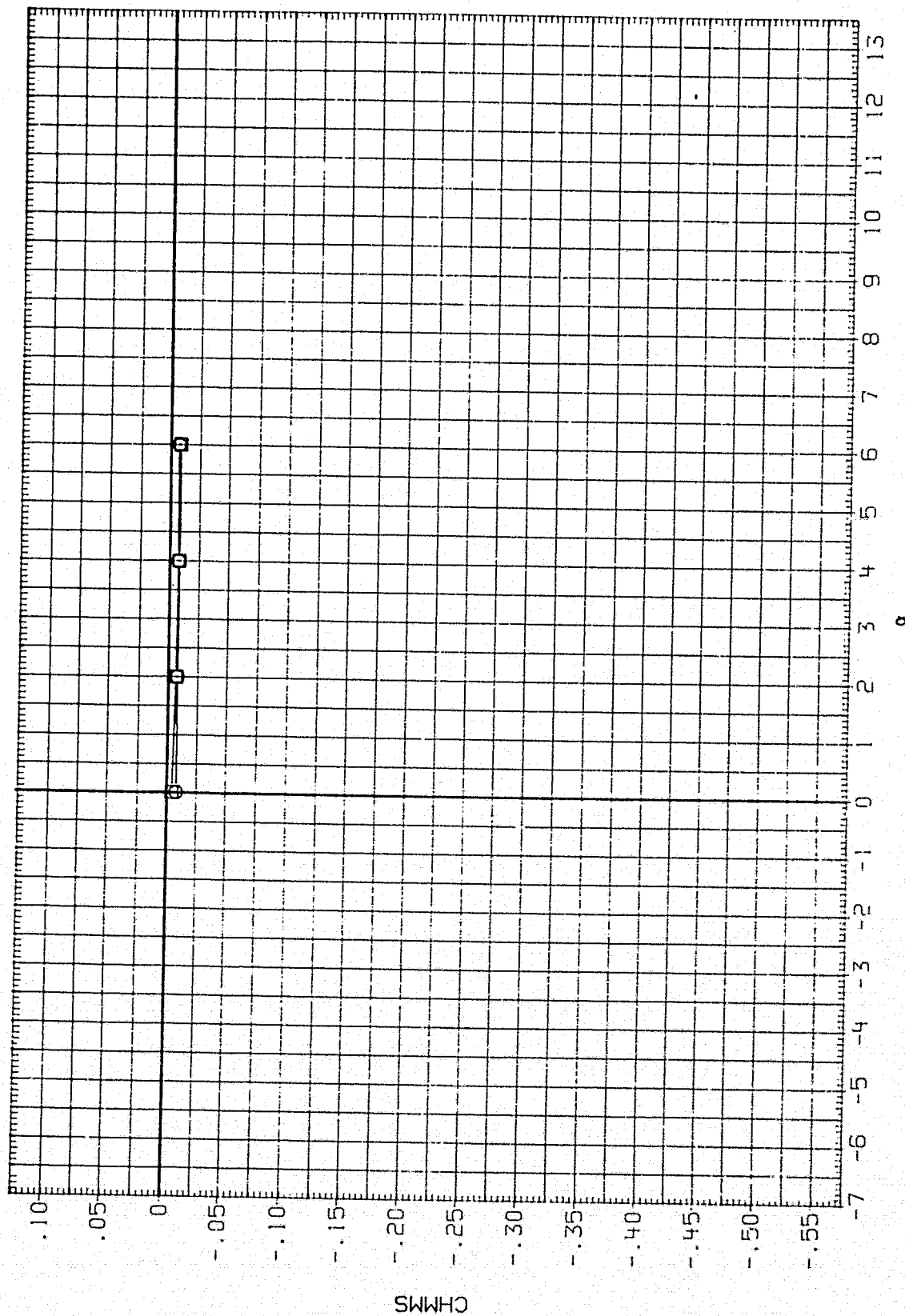


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 26.0 DEG

(A) BETA = -5.00

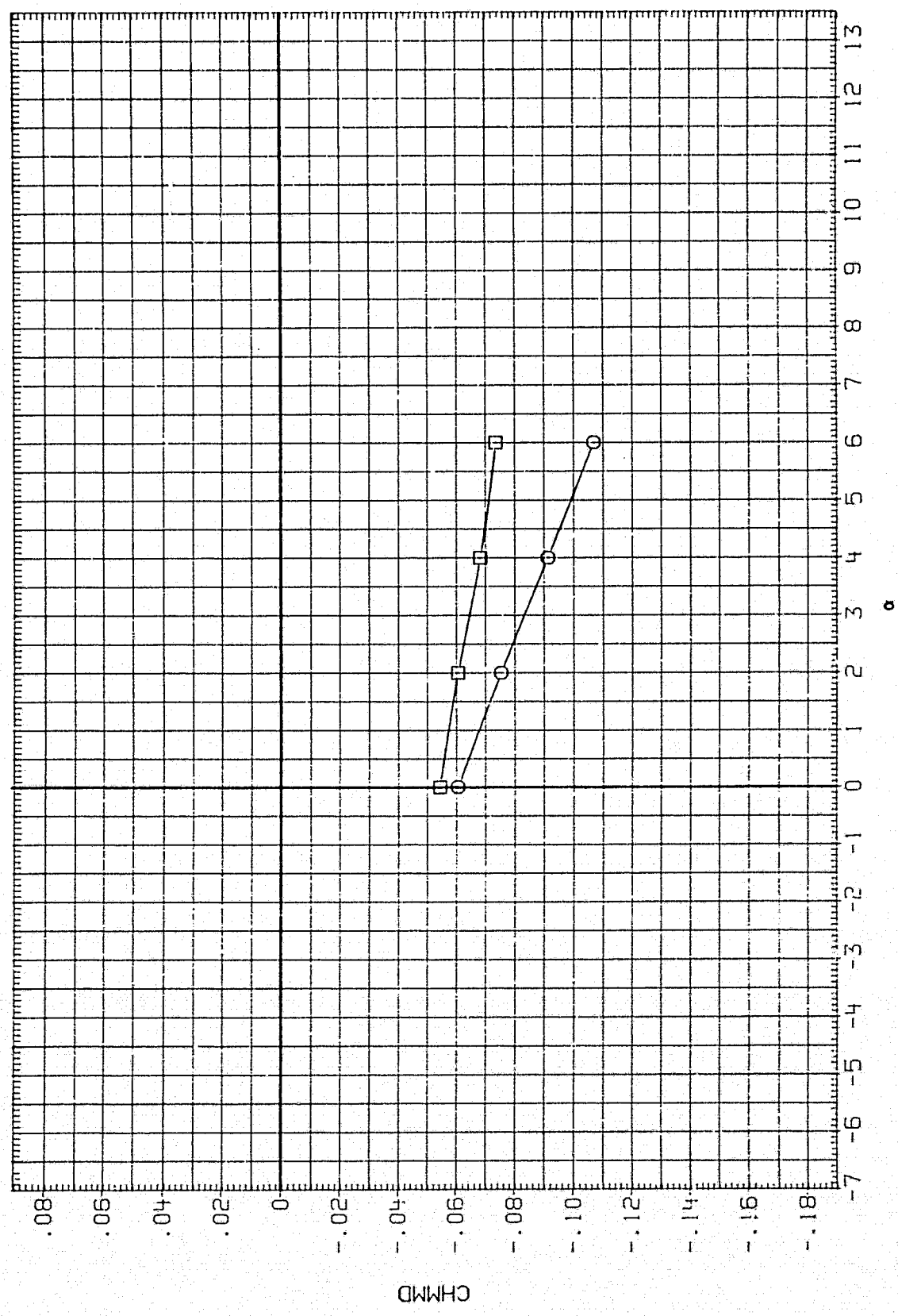


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 26.0 DEG

(A) BETA = -5.00 PAGE 322

DATA SET SYMBOL		CONFIGURATION		THE TAN	PHI - N	THE TML	THE TMR	PHI - ML	PHI - MR	ELV - L	BOFLAP
AFPH04	0A1638	B68C12020M16N28K127E5F	10V85X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	0A1638	B68C12020M16N28K127E5F	10V85X911	108.000	56.000	4.000	4.000	26.000	26.000	.000	.000

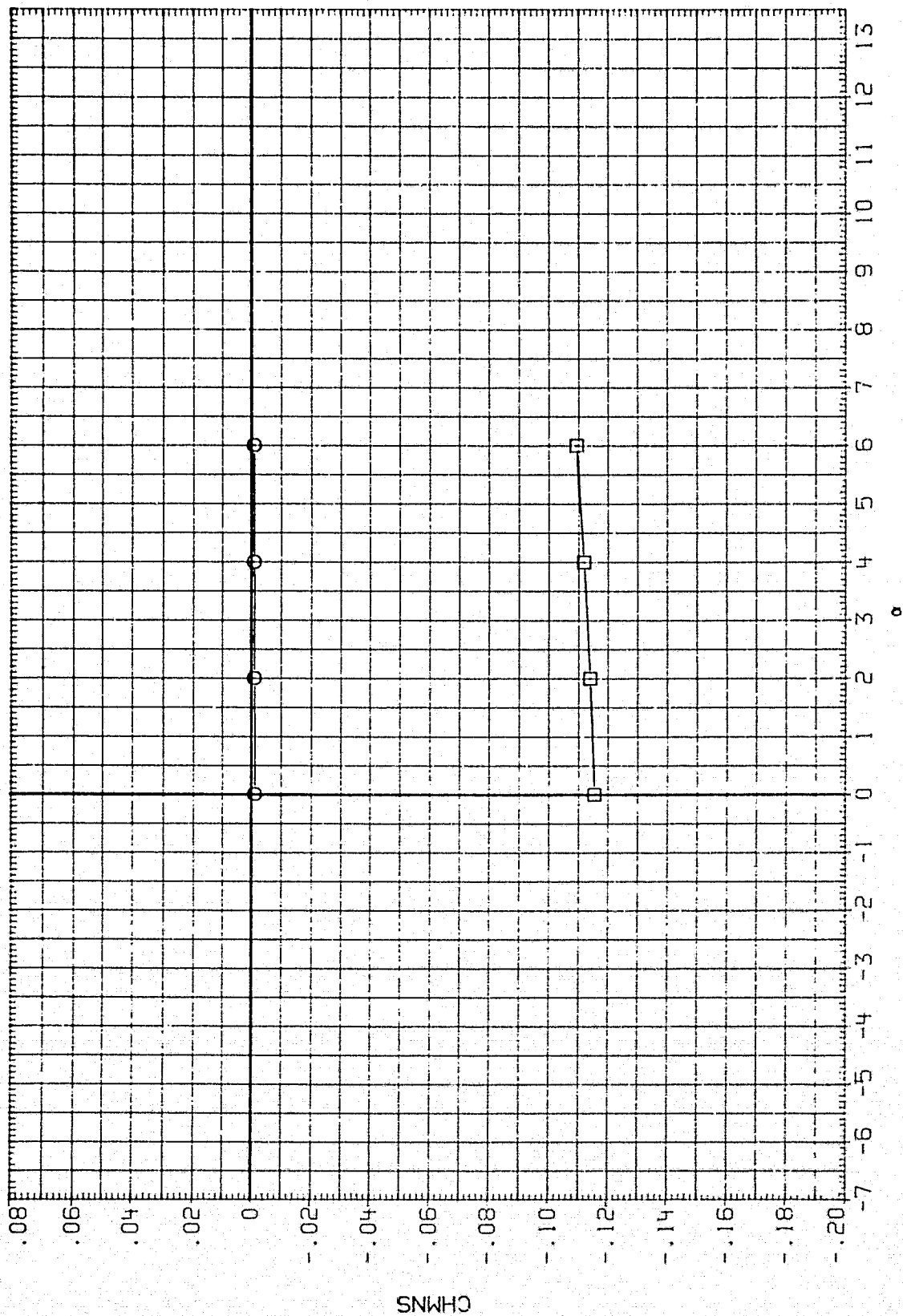


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 26.0 DEG

(B) BETA = -2.00

DATA SET SYMBOL		CONFIGURATION		THETA		PHI-N	THETA-L	THETA-R	PHI-M-L	PHI-M-R	ELV-L	BDFLAP
AFPH04	○	OA153B	B68C12620M16N284127E5F10VBR5X911	5.000	25.000	4.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	□	OA153B	B68C12620M16N284127E5F10VBR5X911	108.000	56.000	4.000	4.000	4.000	26.000	26.000	.000	.000

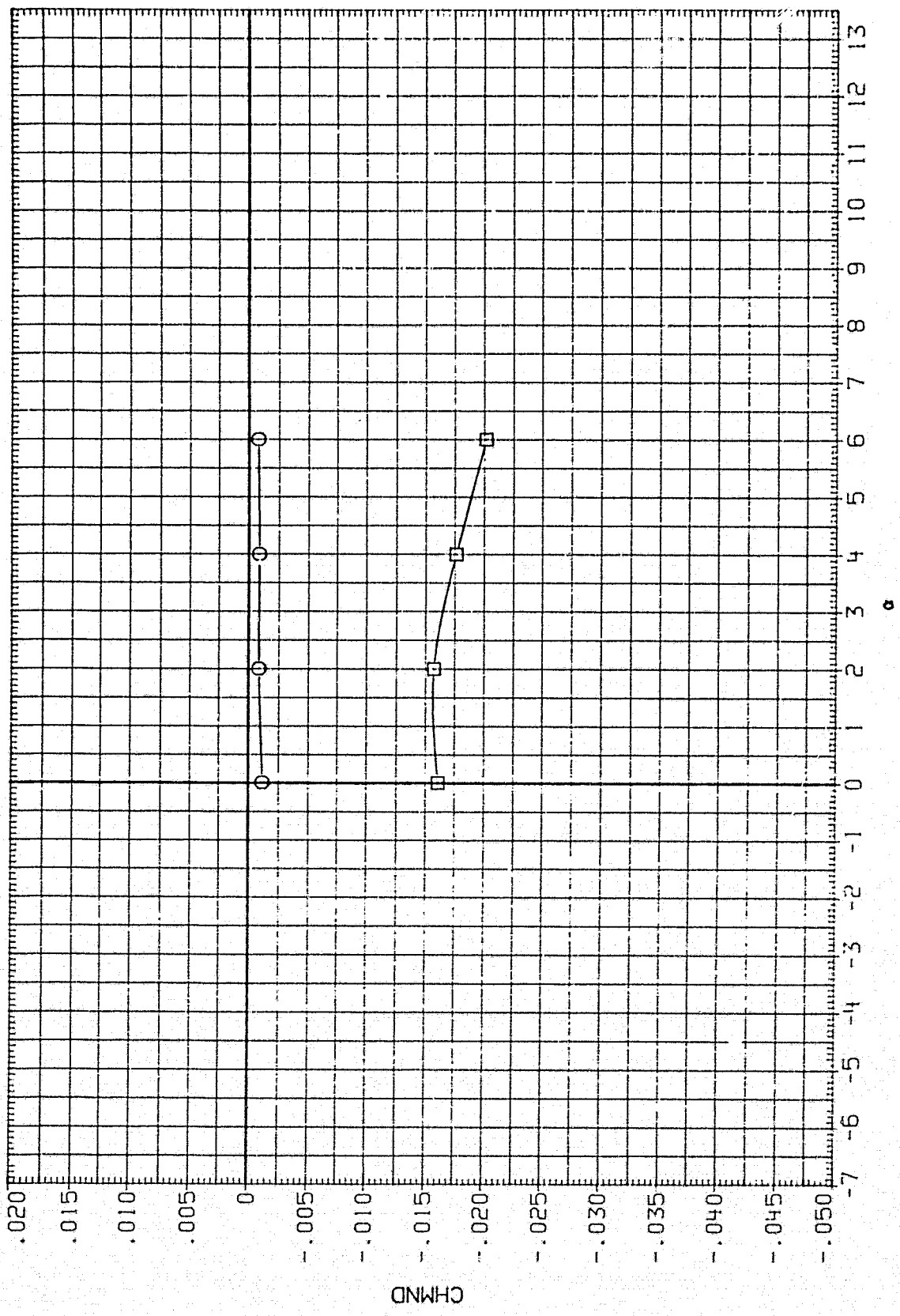


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGED MOMENTS, PHI-M = 26.0 DEG

(B) BETA = -2.00

DATA SET SYMBOL
AFPH04
AFPH07

CONFIGURATION

OA1638 B68C12G20M16N28W127E5F10V8R5X911
OA1638 B68C12G20M16N28W127E5F10V8R5X911

THETAN	PHI-N	THEIML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

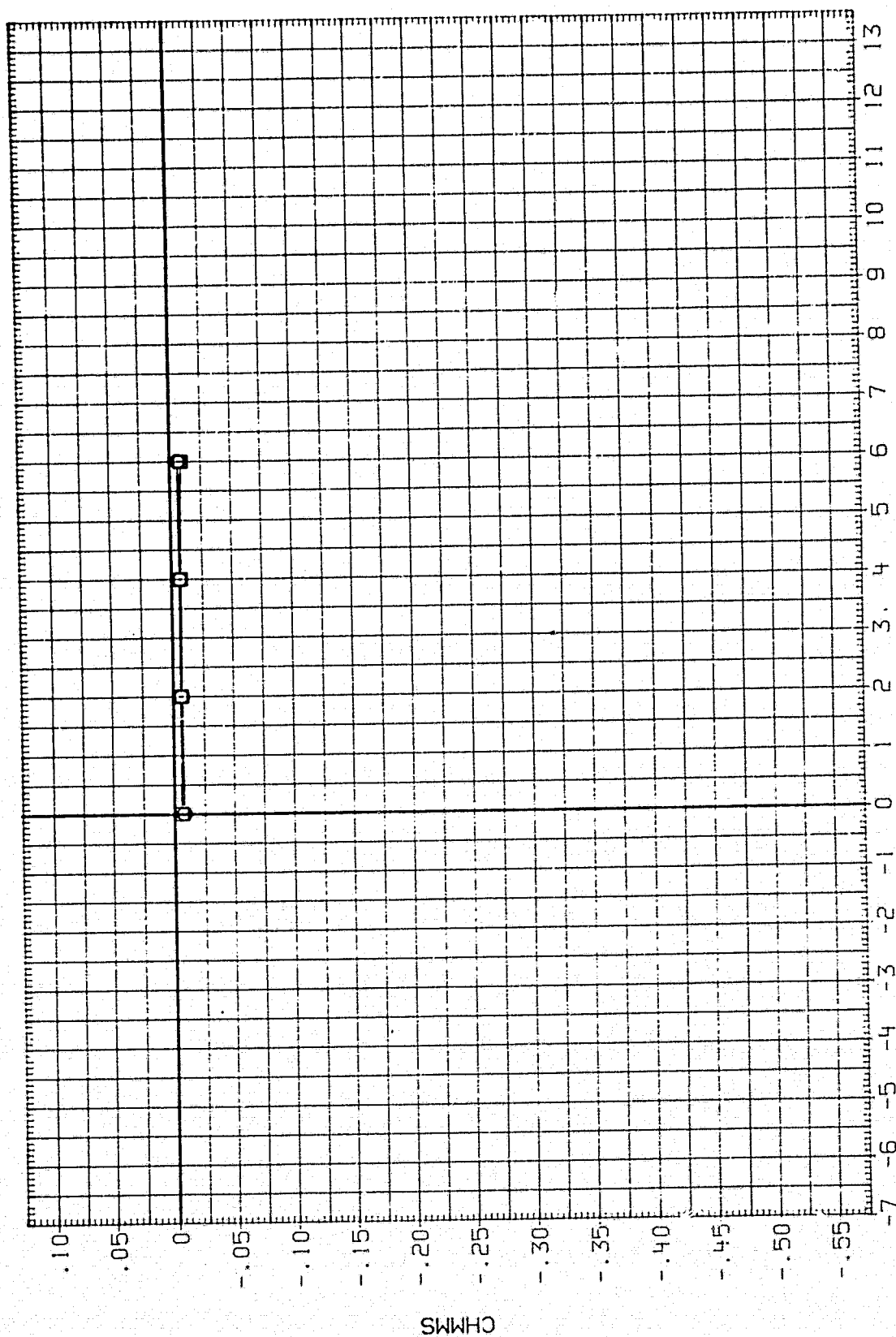


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 26.0 DEG

(B) BETA = -2.00

DATA SET SYMBOL

AFPH04
AFPH07

CONFIGURATION

011638 B68C12G20M161P6W127E5F 10VBR5X911
011635 B68C12G20M161P6W127E5F 10VBR5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
5.000 25.000 4.000 4.000 26.000 26.000 .000 .000
108.000 66.000 4.000 4.000 26.000 26.000 .000 .000

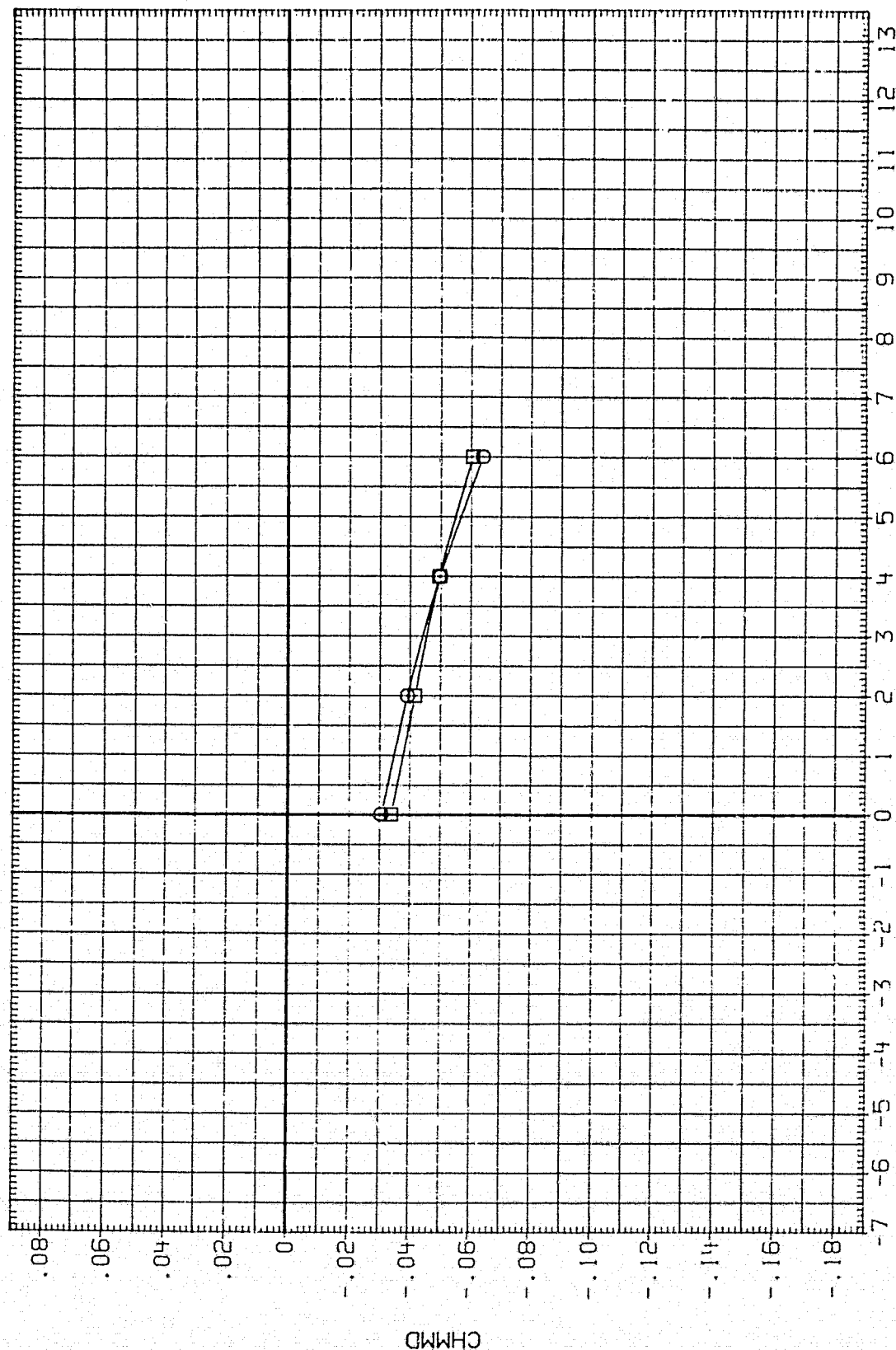


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 26.0 DEG

(B) BETA = -2.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH04	OA153B B68C12G20M16N28M127E5F10V8R5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	OA153B B68C12G20M16N28M127E5F10V8R5X911	108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

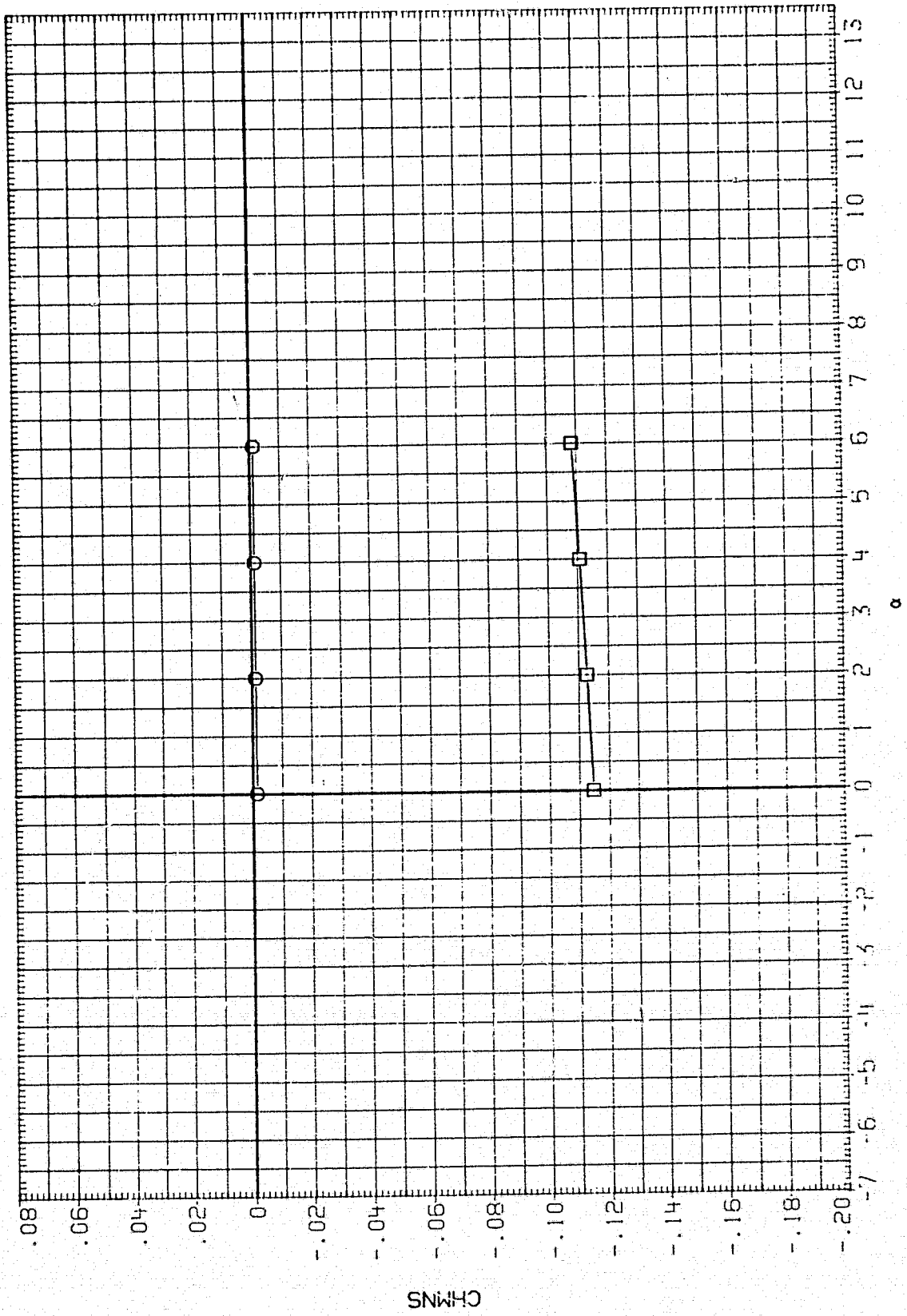


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 26.0 DEG

(C) BETA = -1.00

BDELAP

ELV-L

PHI-MR

PHI-ML

THETMR

THETML

PHI-N

THETAN

PHI-N

THETAN

PHI-N

THETAN

PHI-N

THETAN

PHI-N

THETAN

CONF IGURATION
 0A163B B68C12C20M16N28W127E5F10VR5X911
 0A163B B68C12C20M16N28W127E5F10VR5X911

DATA SET SYMBOL
 AFPH04
 AFPH07

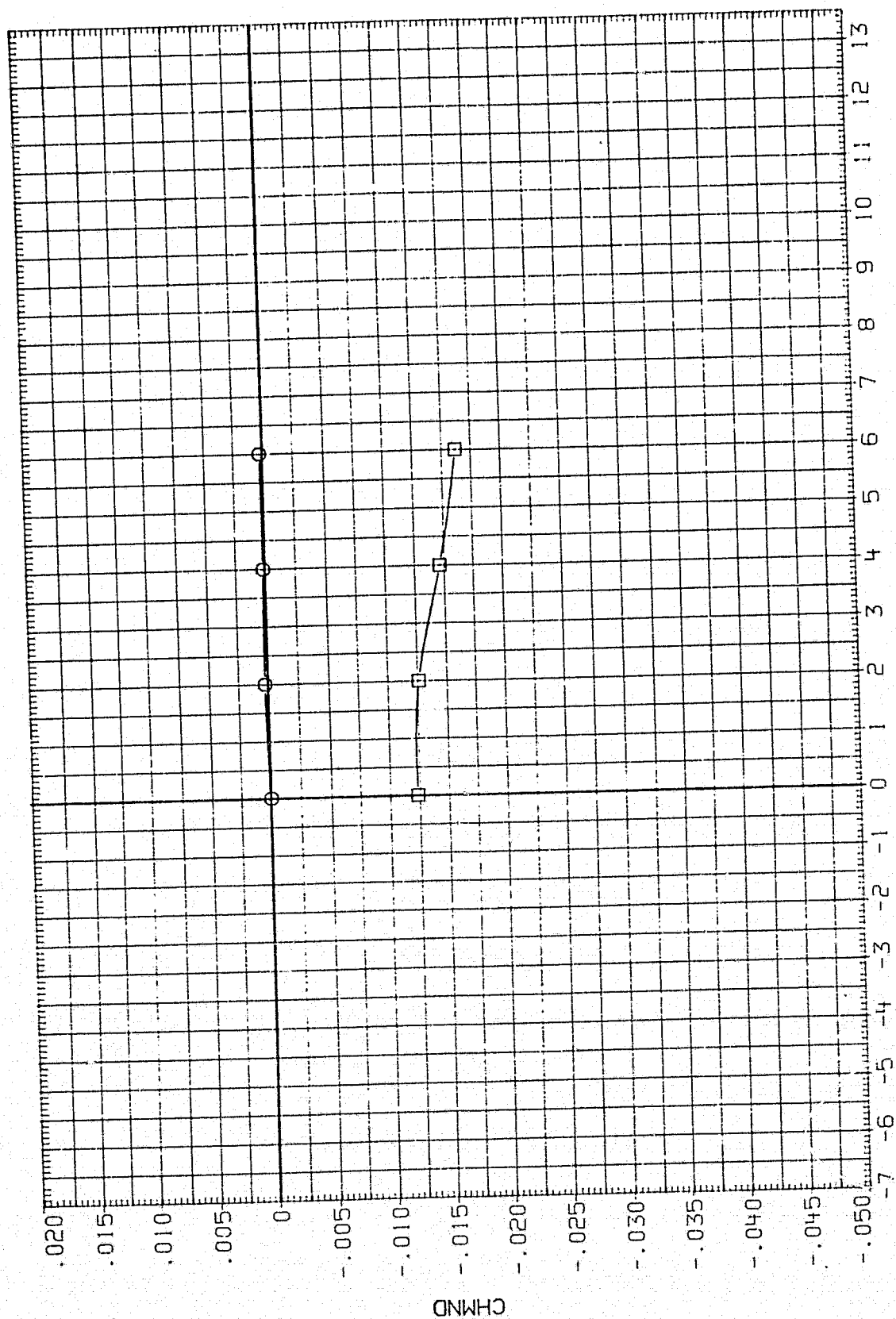


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMENTS, PHI-M = 26.0 DEG

(C)BETA = -1.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH04	□	0A163B	B68C12020M16N28W127E5F10V8R5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	□	CA163B	B58C12020M16N28W127E5F10V8R5X911	108.000	56.000	4.000	4.000	26.000	26.000	.000	.000

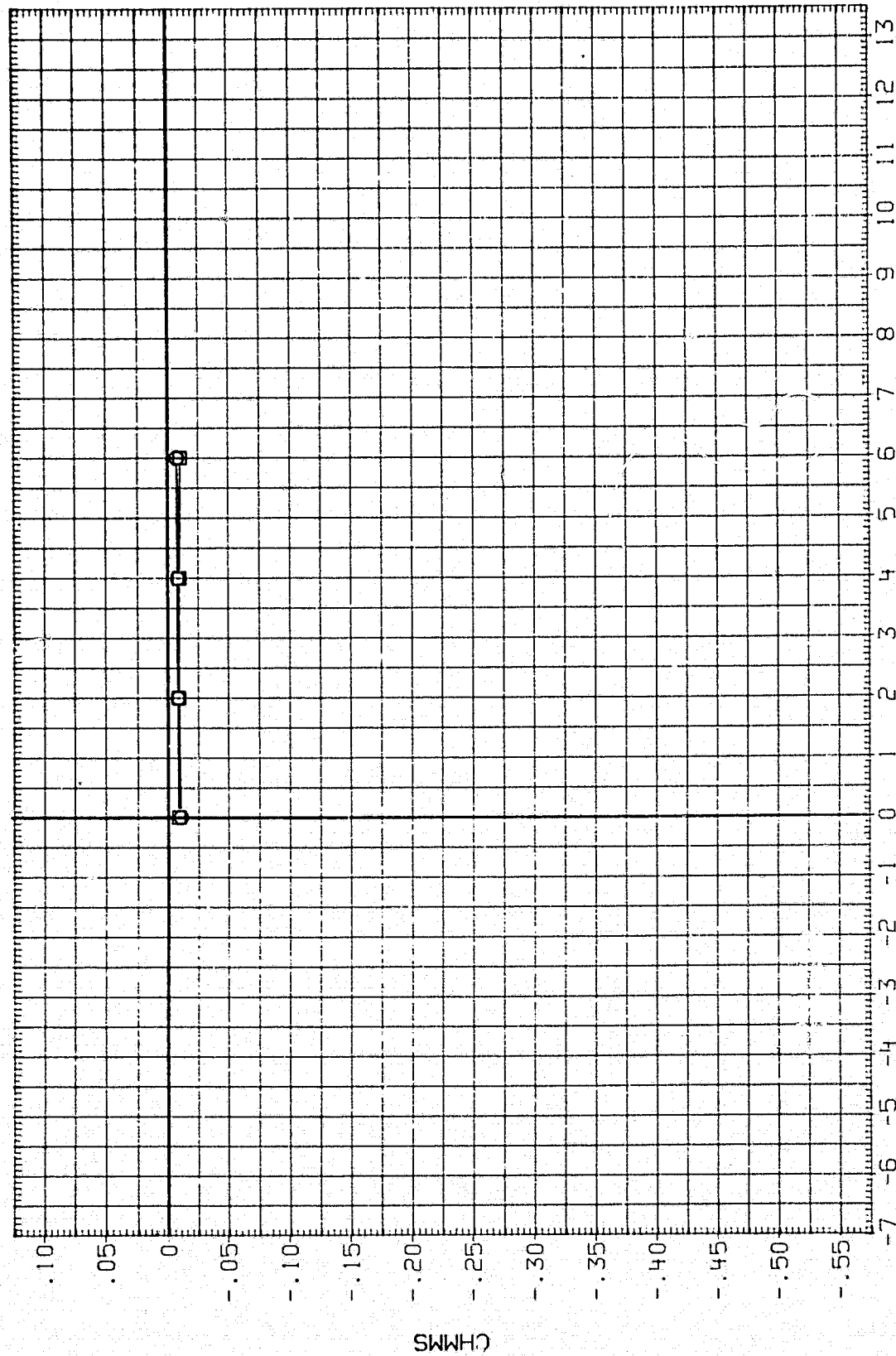


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 26.0 DEG

DATA SET SYMBOL	CONF I GURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH04	0A163B B68C12G20M16N28M127E5F 10V8R5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	0A163B B68C12G20M16N28M127E5F 10V8R5X911	108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

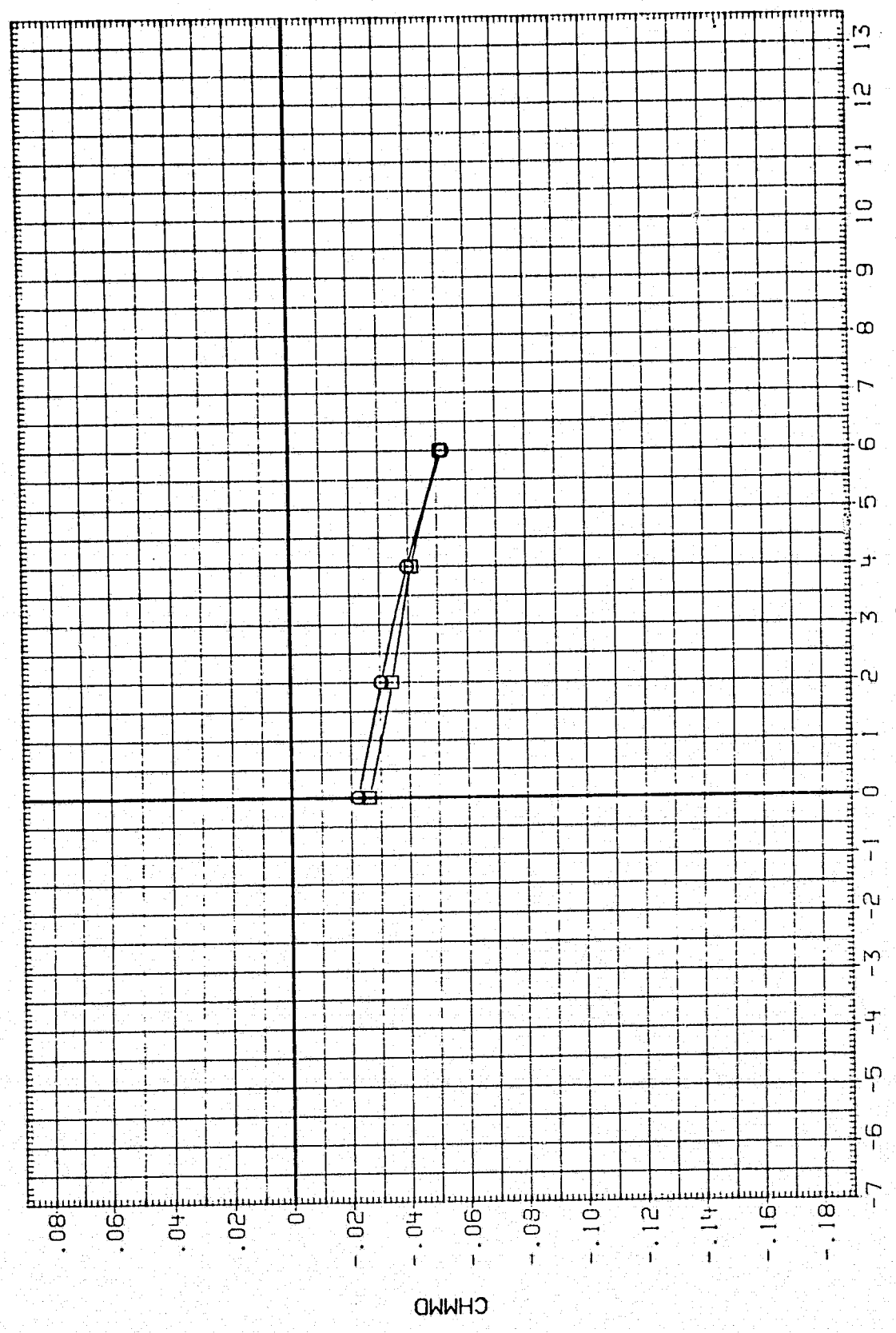


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 26.0 DEG

(C) BETA = -1.00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV -L	BD FLAP
AFPH04	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	0A163B B68C12G20M16N28M127E5F10V8R5X911	108.000	55.000	4.000	4.000	26.000	26.000	.000	.000

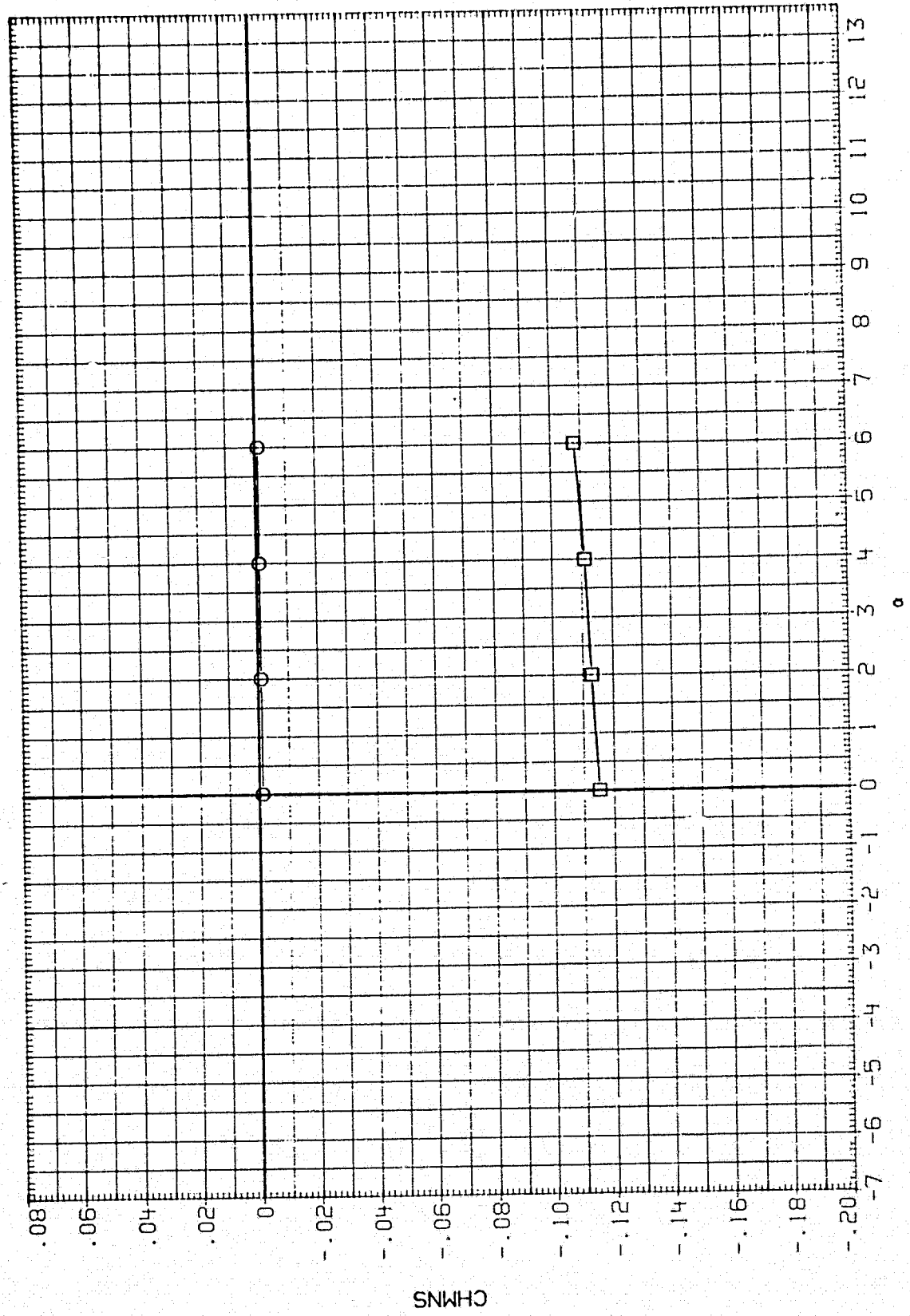


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 26.0 DEG

DATA SET SYMBOL

AFPH04
AFPH07

011638 011638
011638 011638

CONFIGURATION

B68C12G20M16N28M127E5F10V8P5X911
B68C12G20M16N28M127E5F10V8P5X911

THETAN 5.000 108.000
PHI-N 25.000 66.000
THETML 4.000 4.000
PHI-ML 26.000 26.000
PHI-MR 26.000 26.000
ELV-L .000 .000
BCFLAP .000 .000

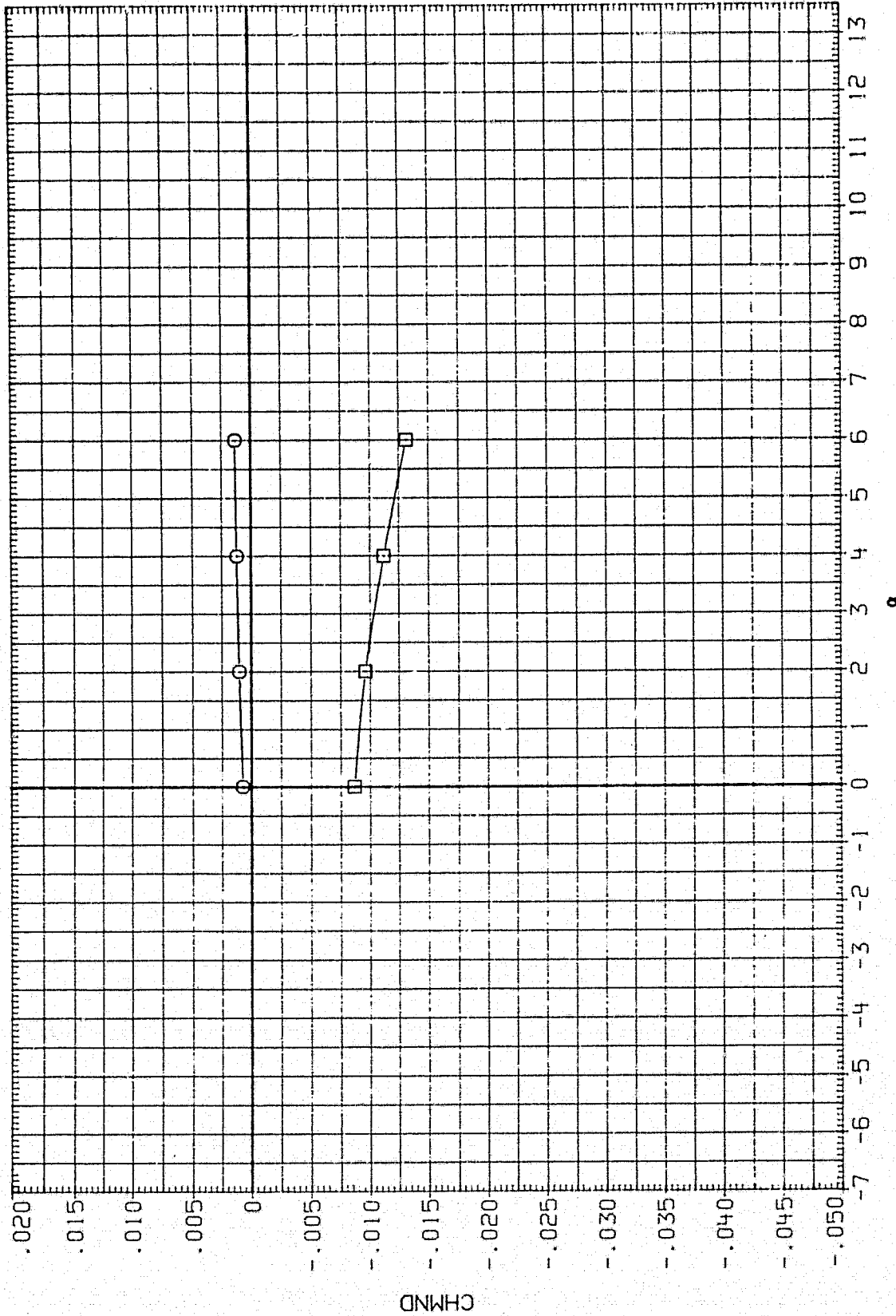


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 26.0 DEG

(D) BETA = .00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPHC4	0A163B B68C12G20M16N28M127E5F 10V8P5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	0A163B B68C12G20M16N28M127E5F 10V8P5X911	108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

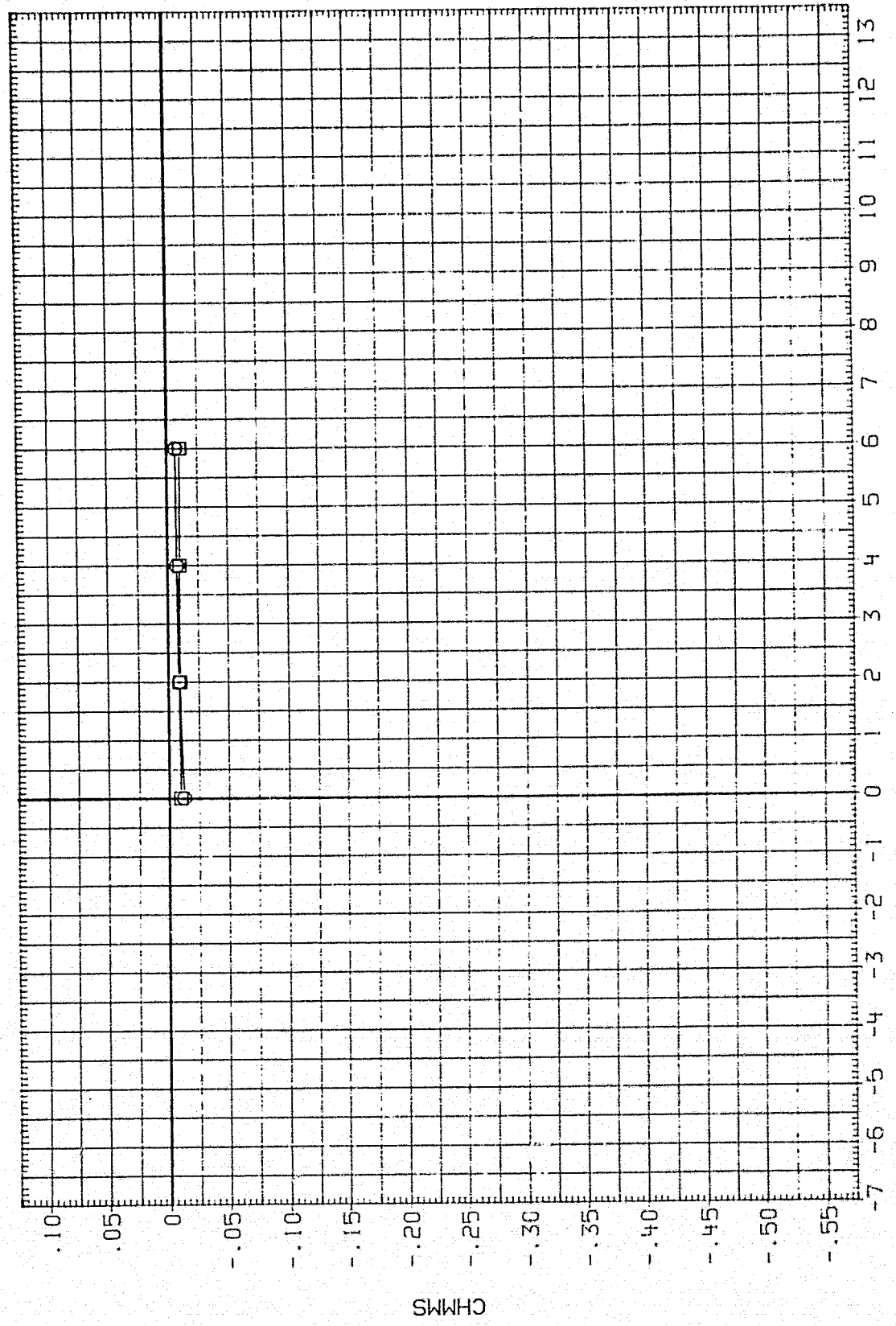


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 26.0 DEG

DATA SET SYMBOL

AFPH04
AFPH07

CONFIGURATION

OA153B B68C12G20M16N28W127E5F10V8R5X911
OA153B B68C12G20M16N28W127E5F10V8R5X911

THETAN 5.000 108.000
PHI-N 25.000 66.000
THETML 4.000 4.000
THETMR 4.000 4.000
PHI-ML 26.000 26.000
PHI-MR 26.000 26.000
ELV-L .000 .000
BDFLAP .000 .000

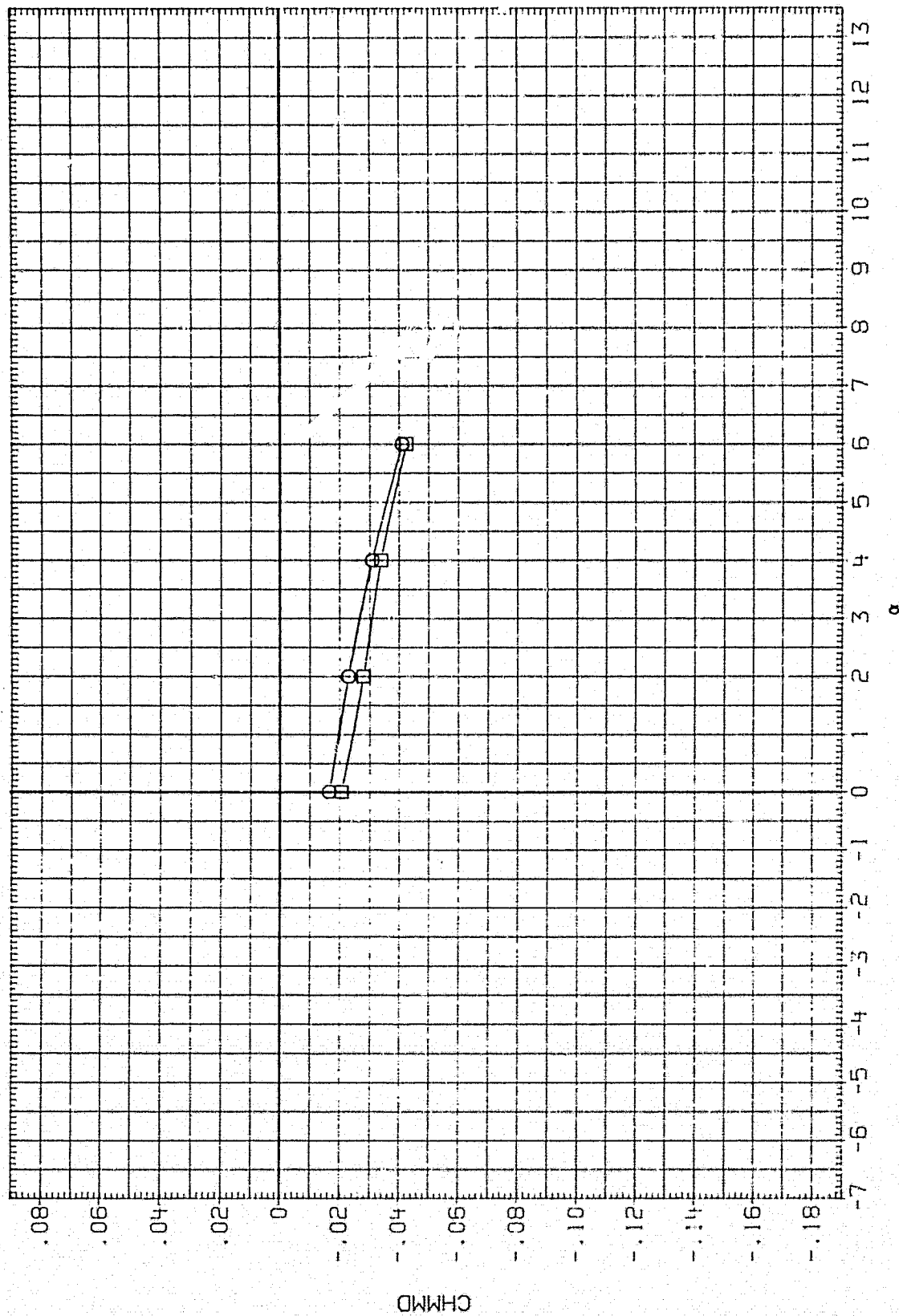


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 26.0 DEG

(D)BETA = .00

DATA SET	SYMBOL	CONFIGURATION	THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	90FLAP
AFPH04	○	0A1638 B58C12020M16N28M127E5F10V8R5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	□	0A1638 B58C12020M16N28M127E5F10V8R5X911	108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

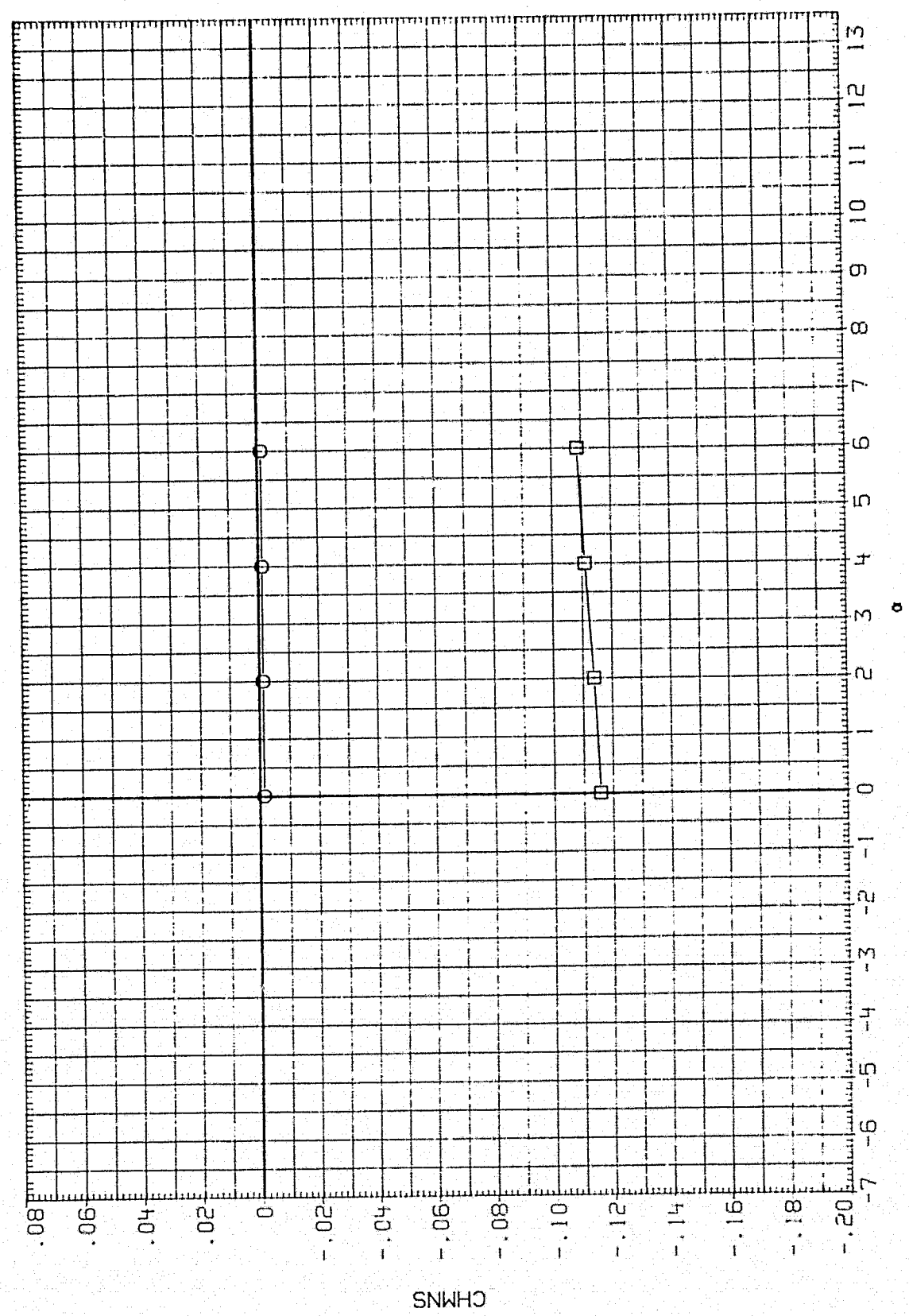


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGED MOMENTS, PHI-M = 26.0 DEG

DATA SET SYMBOL
 AFPH04
 AFPH07

CONF IGURATION
 0A163B 868C12620M16N28M127E5F 10V8P5X911
 0A163B 868C12620M16N28M127E5F 10V8P5X911

THETAN 5.000 108.000
 PHI-N 25.000 66.000
 THETML 4.000 4.000
 THETMR 4.000 4.000
 PHI-ML 26.000 26.000
 PHI-MR 26.000 26.000
 ELV-L .000 .000
 BDFLAP .000 .000

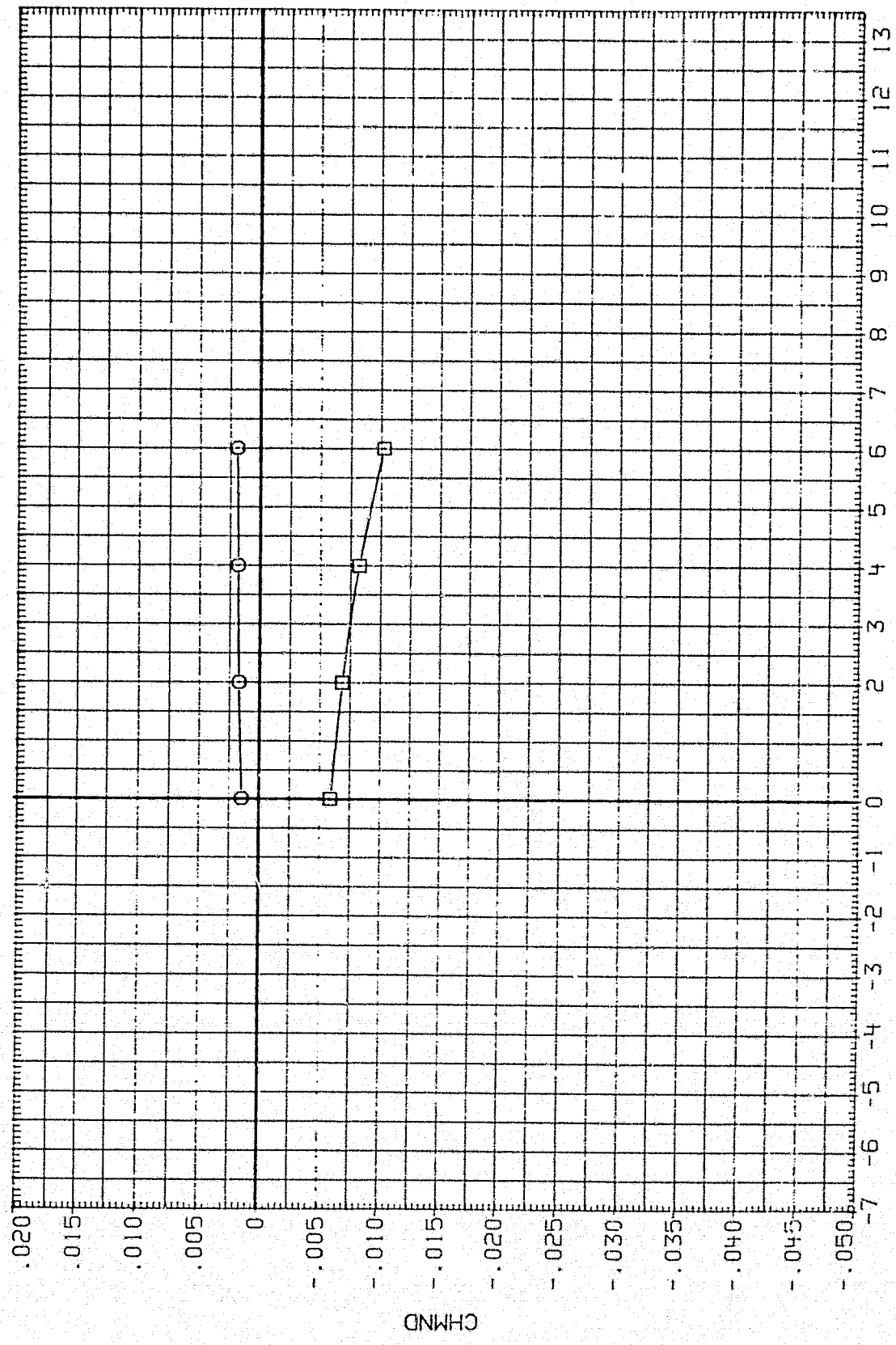


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGED MOMENTS, PHI-M = 26.0 DEG

(E) BETA = 1.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETHR	PHI-ML	PHI-MR	ELV-L	BDELAP
AFPH04	0	0A1638	B66C12G20M16128W127E5F10V8R5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	□	0A1638	B66C12G20M16128W127E5F10V8R5X911	108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

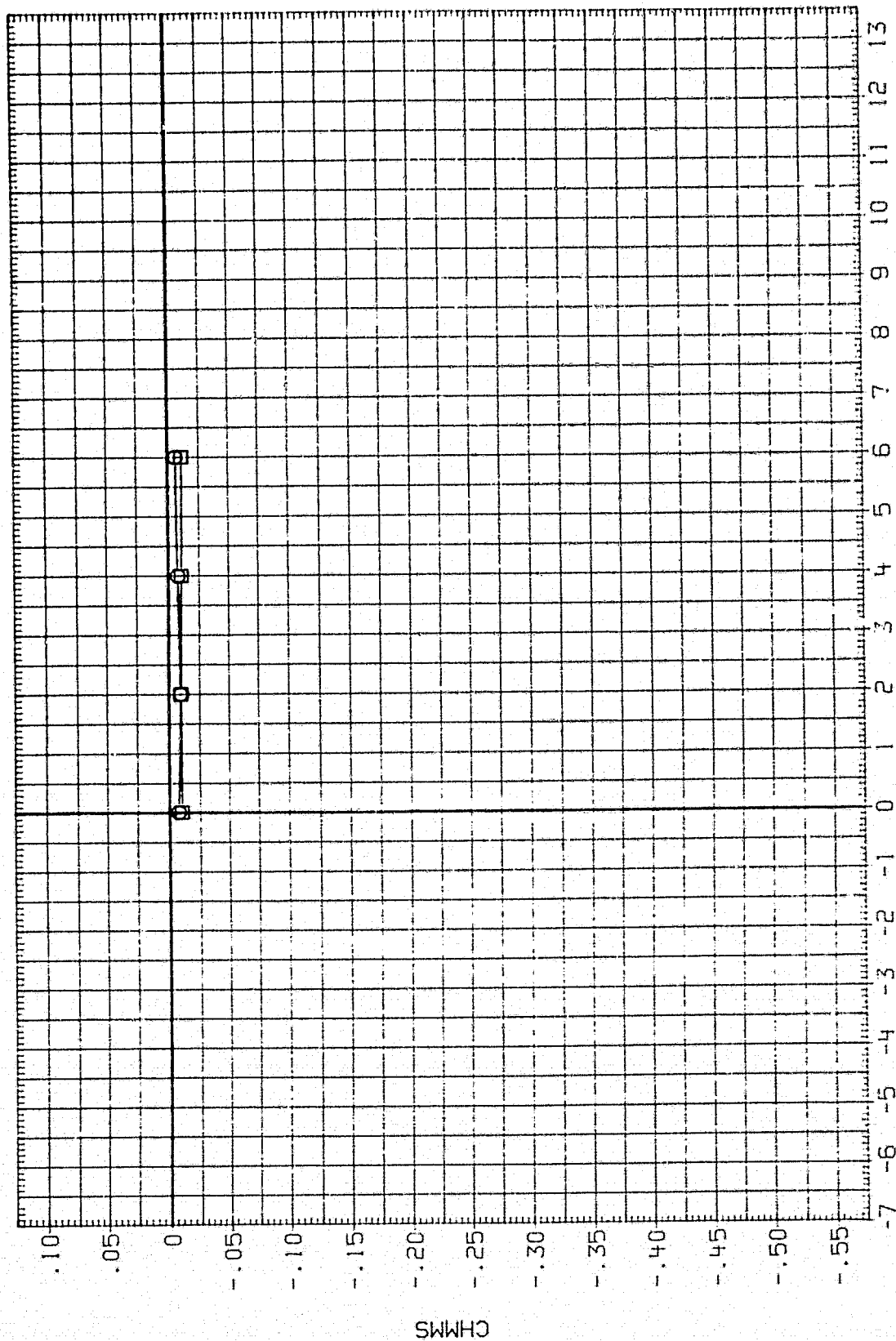


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGED MOMENTS, PHI-M = 26.0 DEG

DATA SET SYMBOL
AFPH04
AFPH07

CONF (CURATION)
0A1638 B68C12G20M16A28M127L5F10V8R5X911
0A1638 B68C12G20M16A28M127L5F10V8R5X911

THE TAN 5.000 108.000
PHI-N 25.000 66.000
THE TML 4.000 4.000
THE TMR 4.000 4.000
PHI-ML 26.000 26.000
PHI-MR 26.000 26.000
ELV-L .000 .000
BDF LAP .000 .000

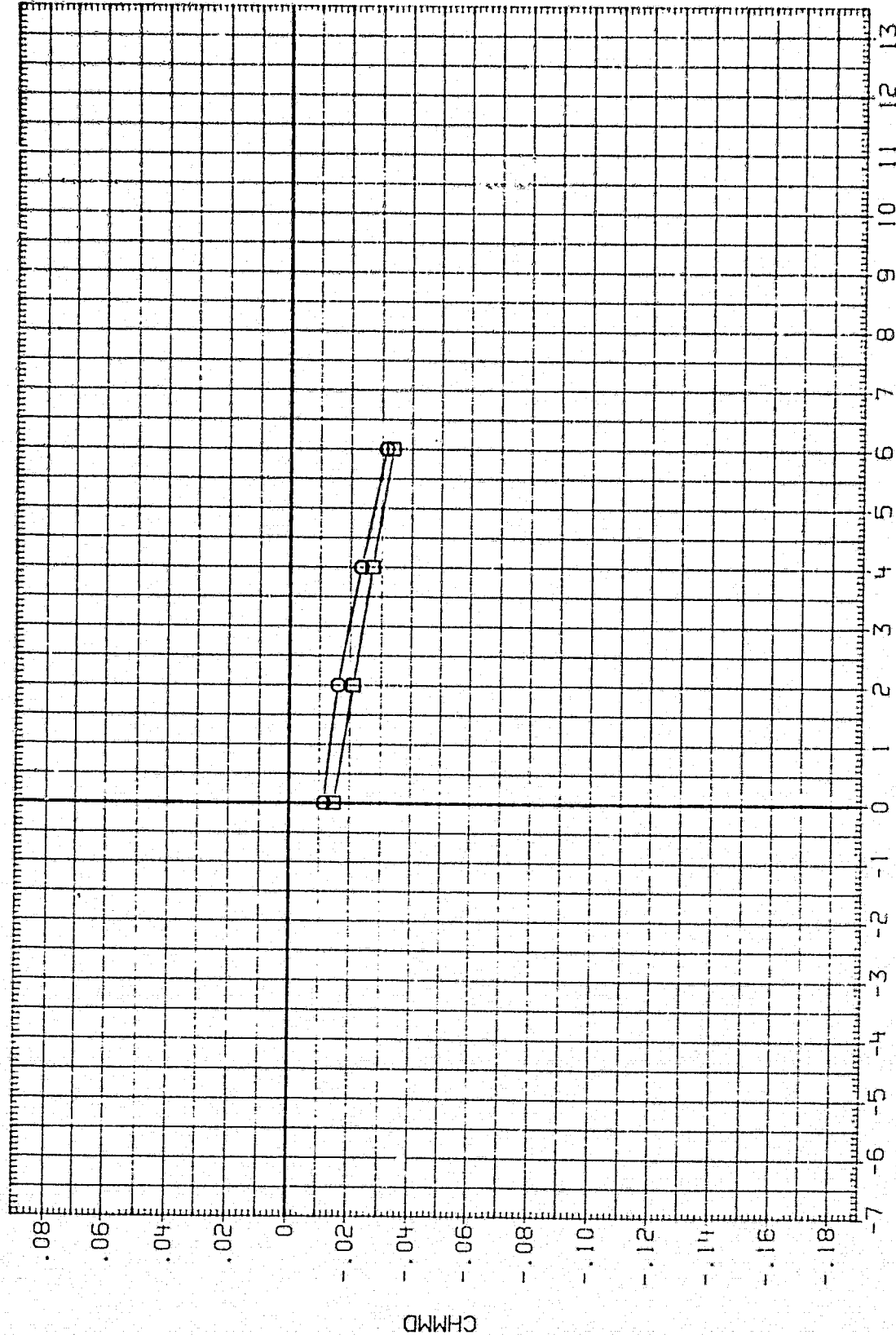


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGED MOMENTS. PHI-M = 26.0 DEG

(E)BETA = 1.00

DATA SET SYMBOL	CONF IGURATION	THETA	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BOFLAP
AFPH04	0A153B B58C12G20M15K28H127E5F10V8P5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	0A153B B58C12G20M15K28H127E5F10V8P5X911	108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

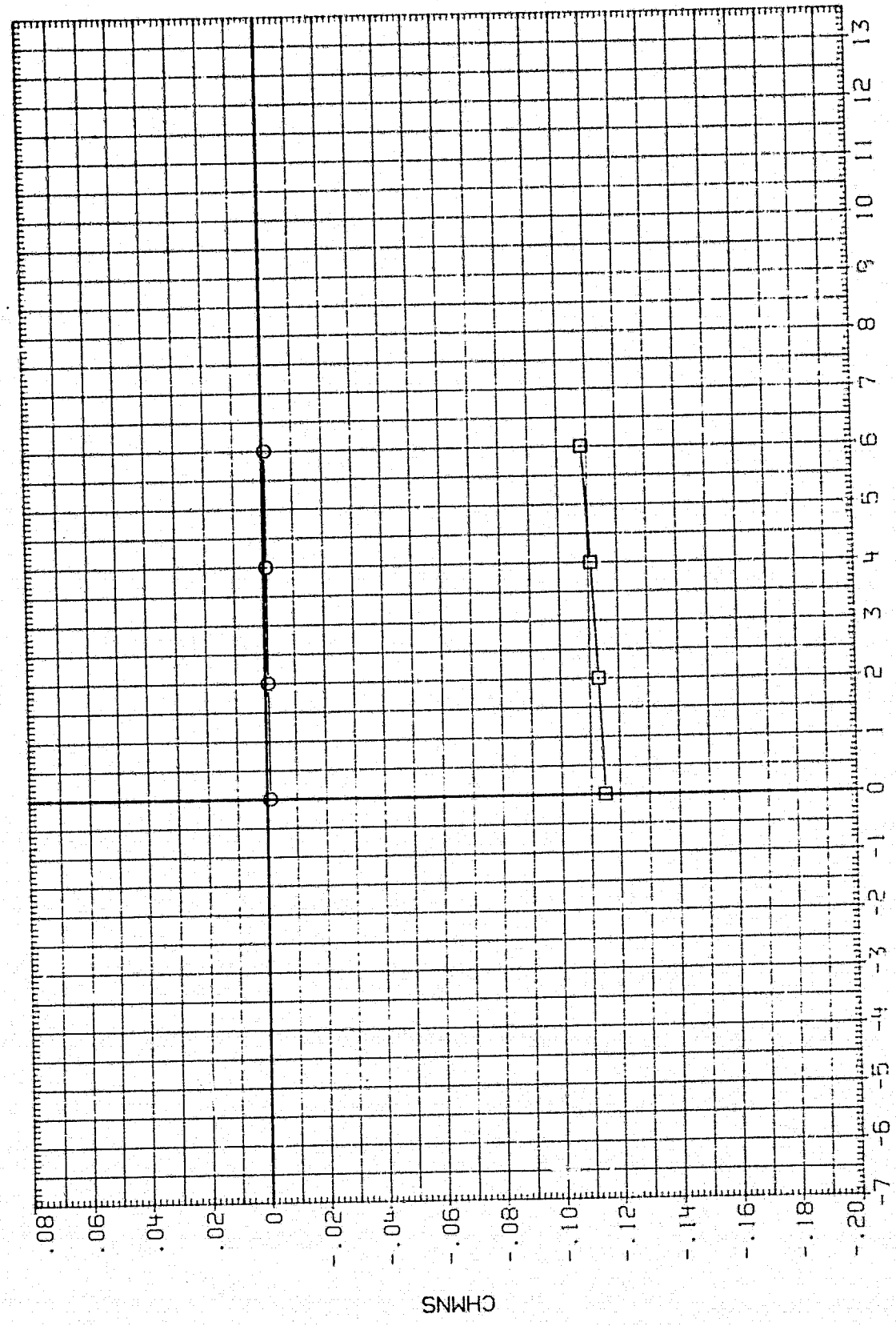


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 26.0 DEG

(F)BETA = 2.00

DATA SET SYMBOL	CONFIGURATION	THETA	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH04	0A153B B5BC12G20M15N28W127E5F10V8R5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	0A153B B5BC12G20M15N28W127E5F10V8R5X911	108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

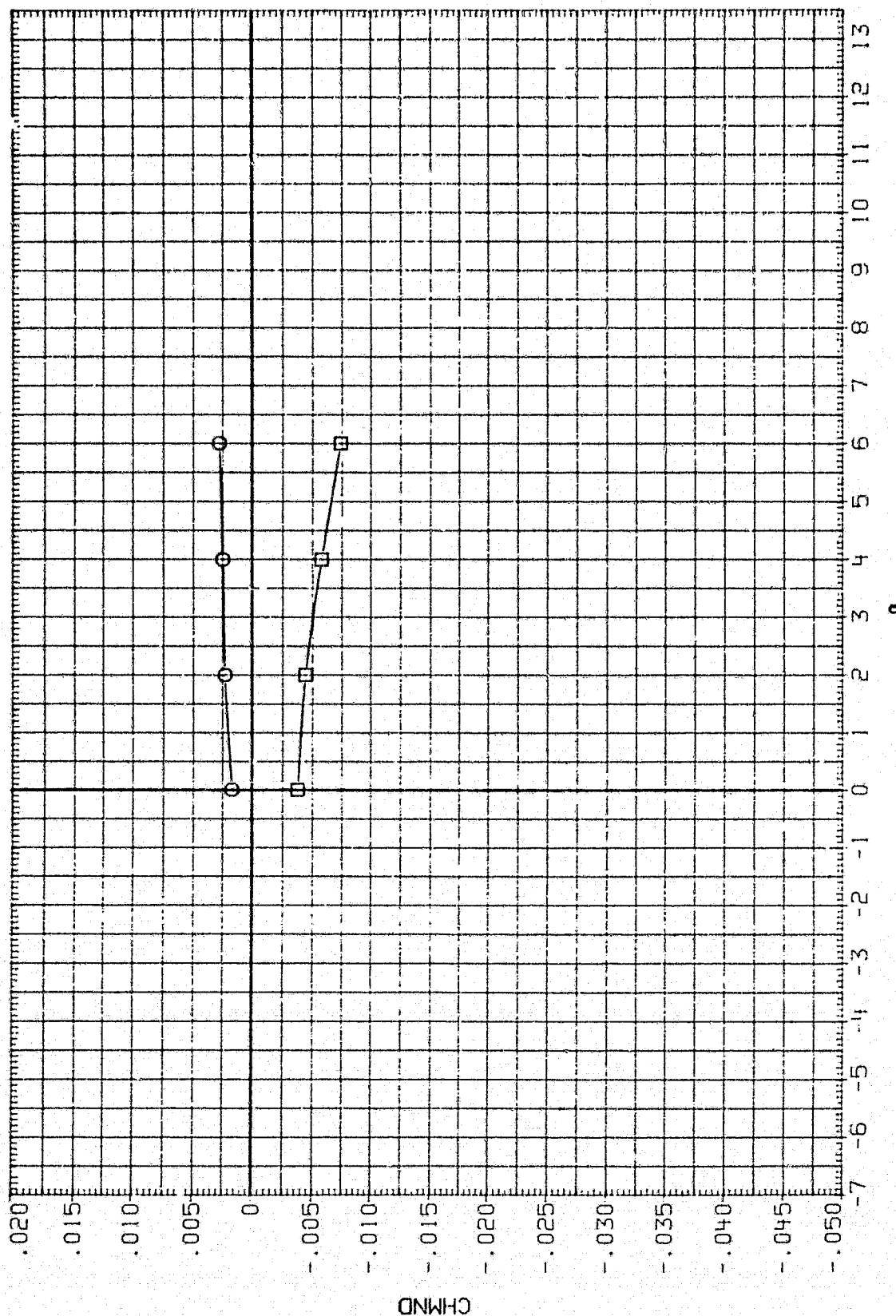


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGED MOMENTS, PHI-M = 26.0 DEG

(F)BETA = 2.00

0-5A

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH04	0A163B B88C12G20M16N28M127E5F10V3R5X911	5.000	25.000	4.000	4.000	26.000	26.000	.000	.000
AFPH07	0A163B B88C12G20M16N28M127E5F10V8R5X911	108.000	66.000	4.000	4.000	26.000	26.000	.000	.000

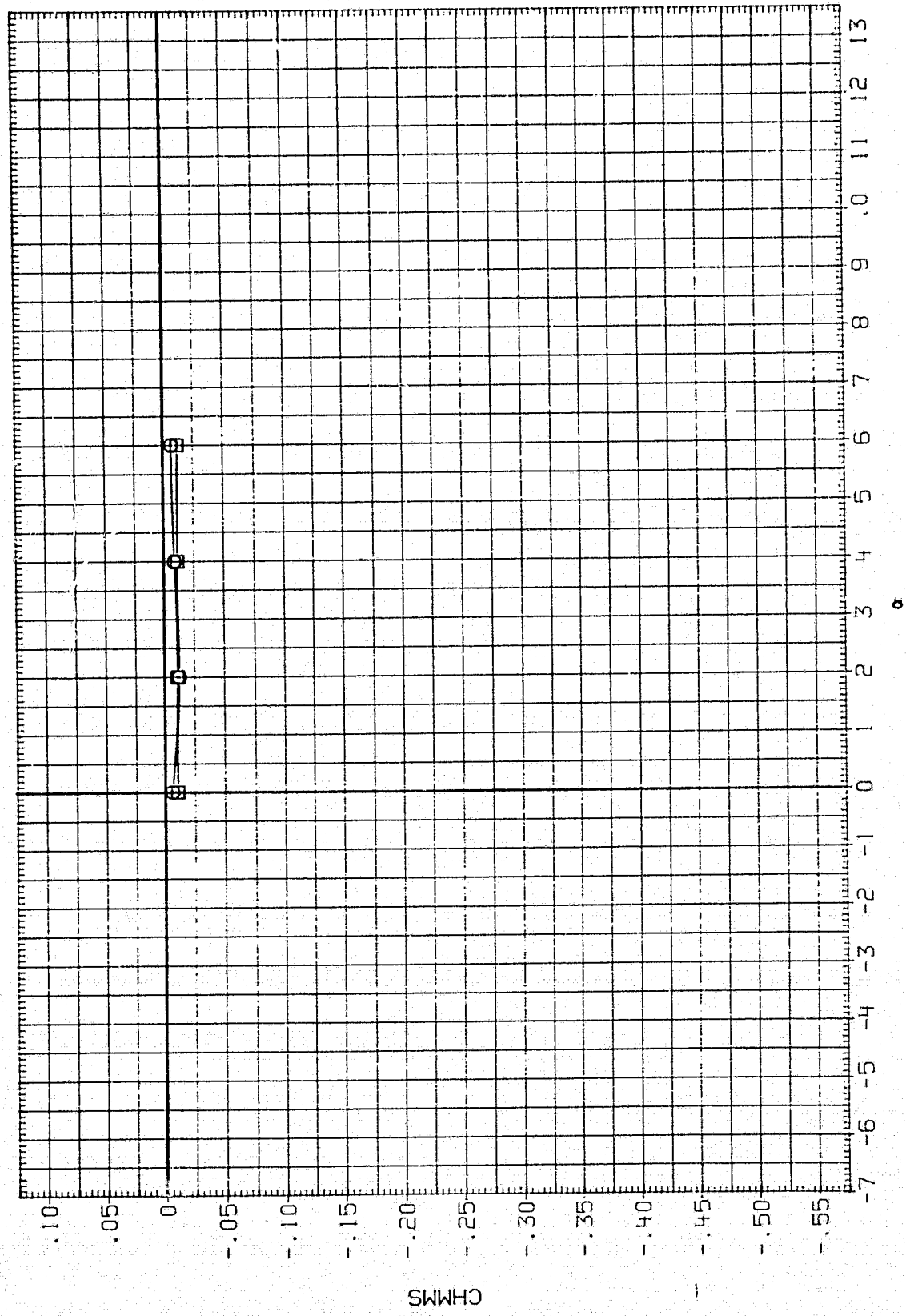


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 26.0 DEG

DATA SET SYMBOL
AFPH04
AFPH07

CONFIGURATION

0A163B B66C12G20M16N28W127E5F 10V8R5X911
0A163B B66C12G20M16N28W127E5F 10V8R5X911

THEIAN PHI-N THETML THETMR PHI-ML ELV-L BDFLAP
5.000 25.000 4.000 4.000 26.000 .000
108.000 66.000 4.000 26.000 26.000 .000

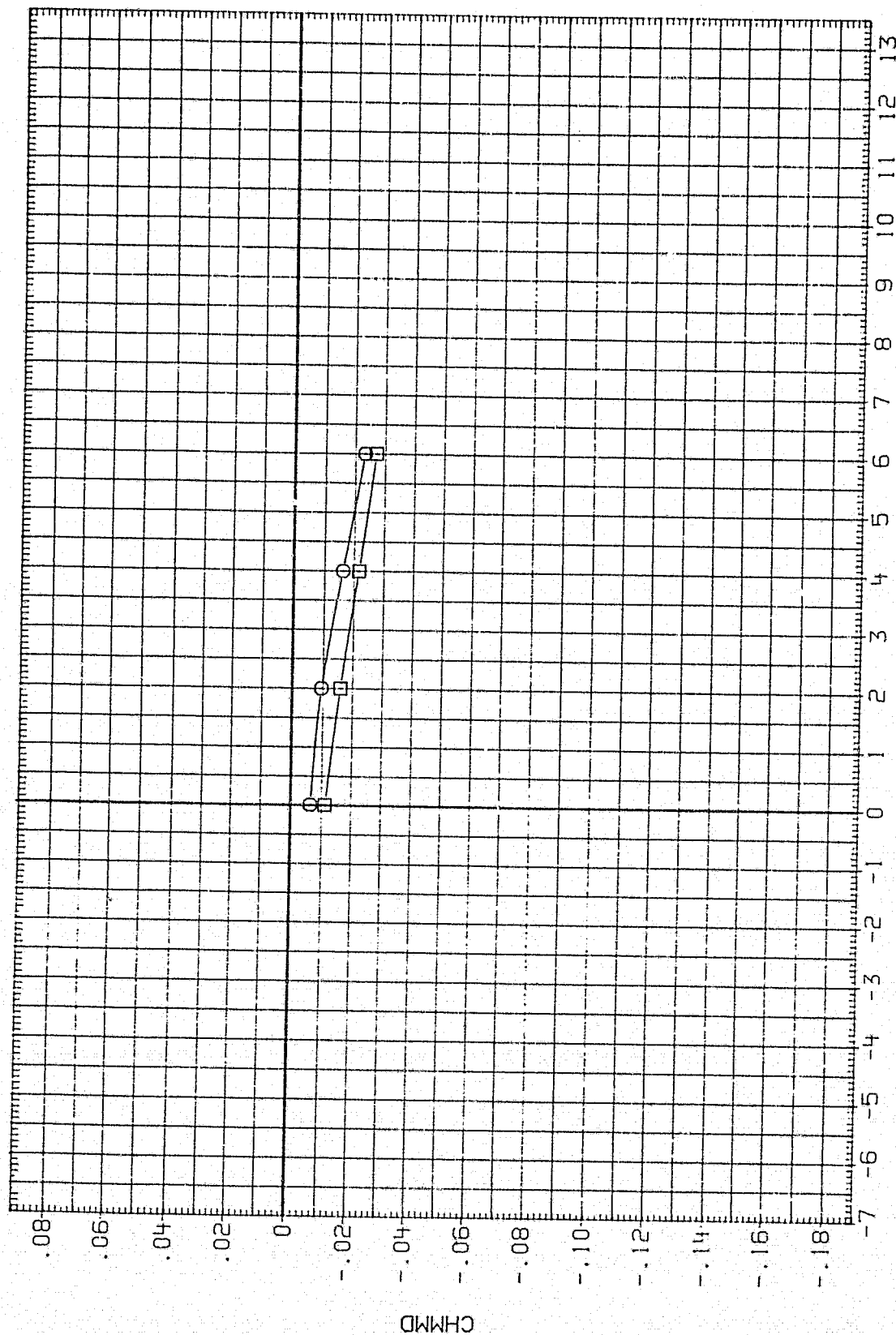


FIG 12 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 26.0 DEG

(F) BETA = 2.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THEIML	THEIMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0	0A163B	B68C12G20M16128W127E5F	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	□	0A163B	B68C12G20M16128W127E5F	108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

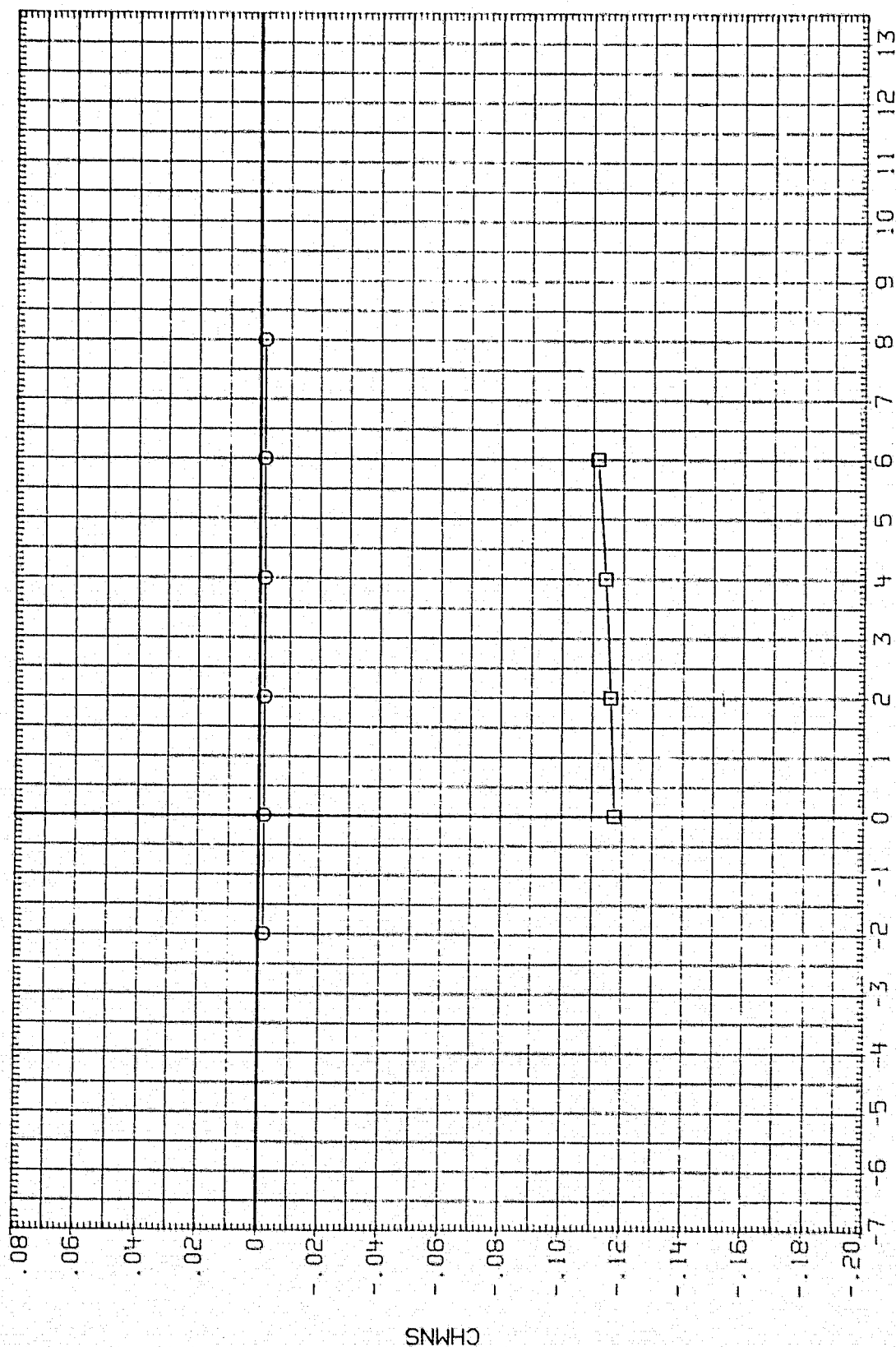


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

(A) BETA = -5.00

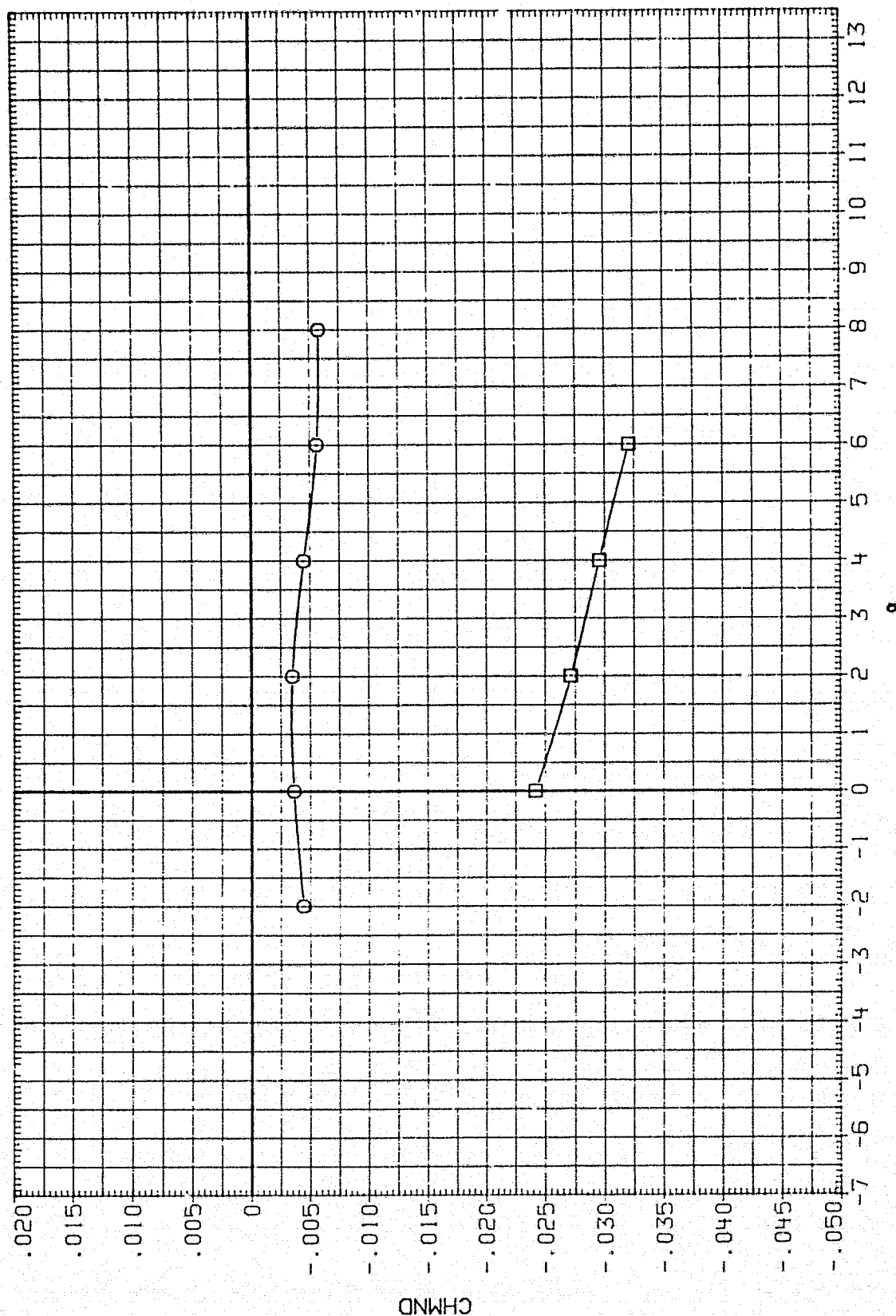


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 32.2 DEG

(A) BETA = -5.00

DATA SET SYMBOL	CONF IGURATION	THE TAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV -L	BD FLAP
AFPH01	0A153B B69C12G20M16N28H127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	0A153B B68C12G20M16N28H127E5F10V8P5X911	108.000	56.000	5.000	4.000	32.200	26.000	.000	.000

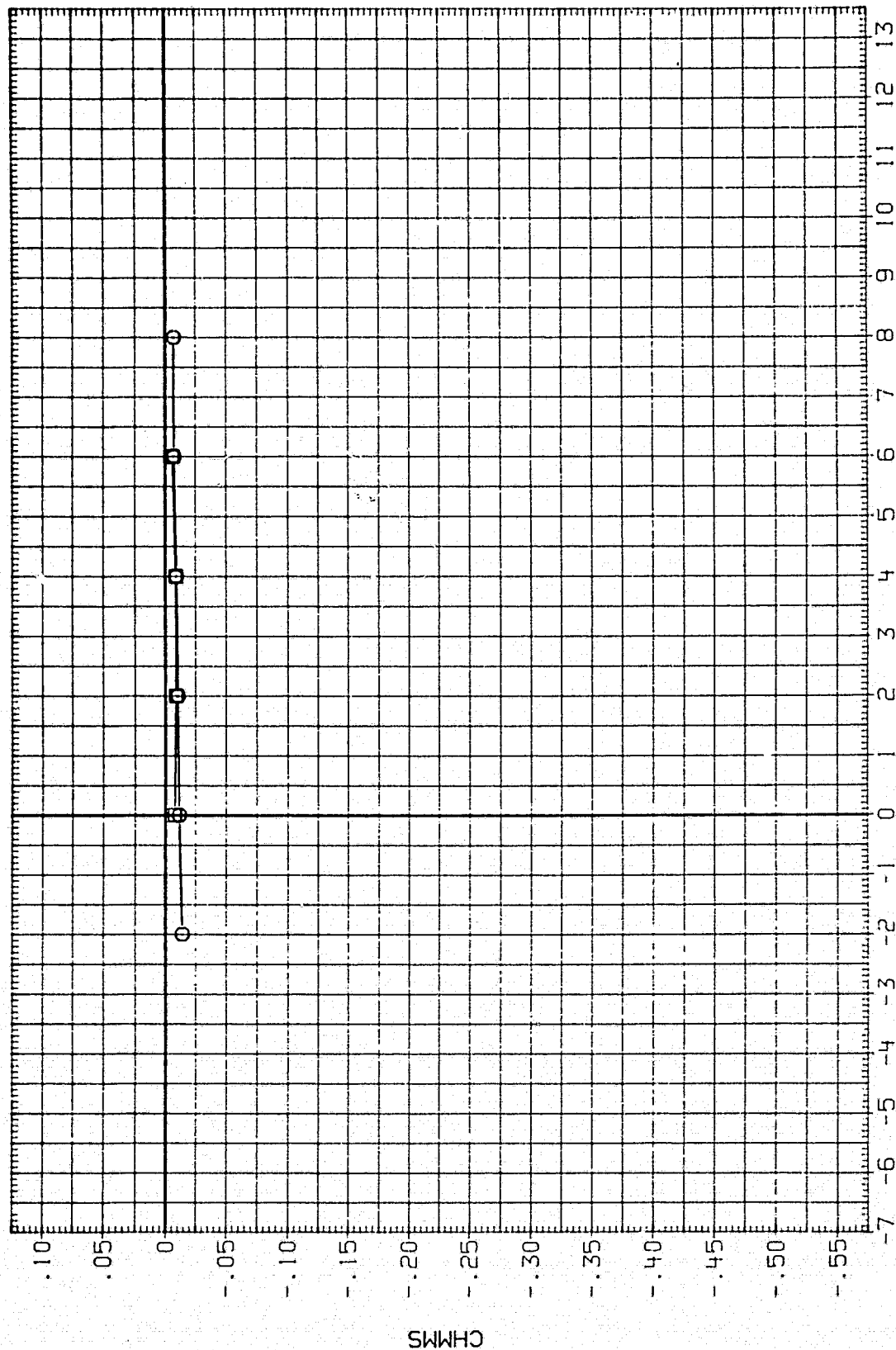


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 32.2 DEG

(A) BETA = -5.00

DATA SET SYMBOL		CONF IDURATION		THE TAN	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
AFPH01	0	0A1538	B68C12G2CM16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	□	0A1538	B68C12G2CM16N28M127E5F10V8R5X911	108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

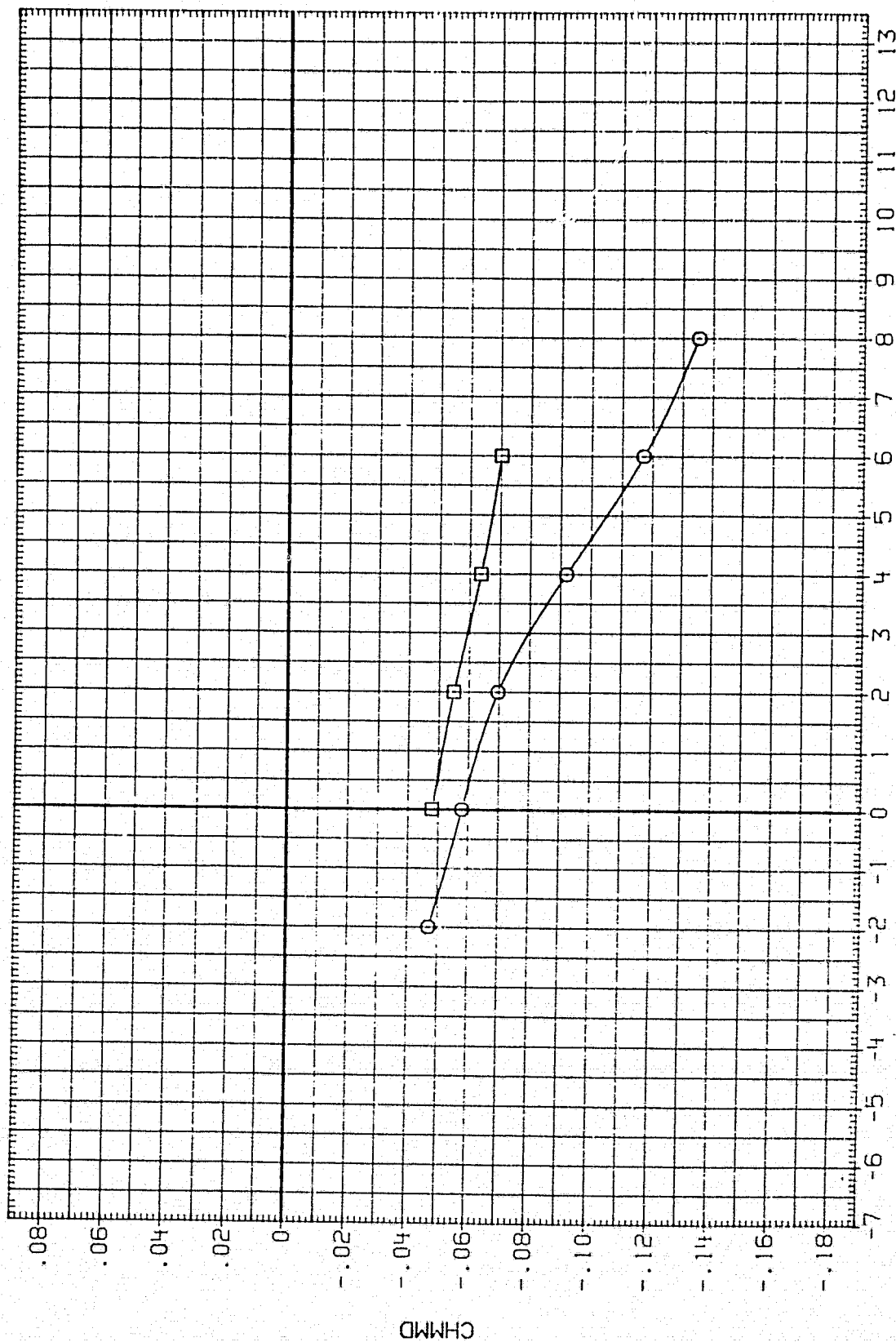


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS. PHI-M = 32.2 DEG

(A) BETA = -5.00

DATA SET SYMBOL	CONF IGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	0A163B B68C12G20M16N28M127E5F10V8R5X911	108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

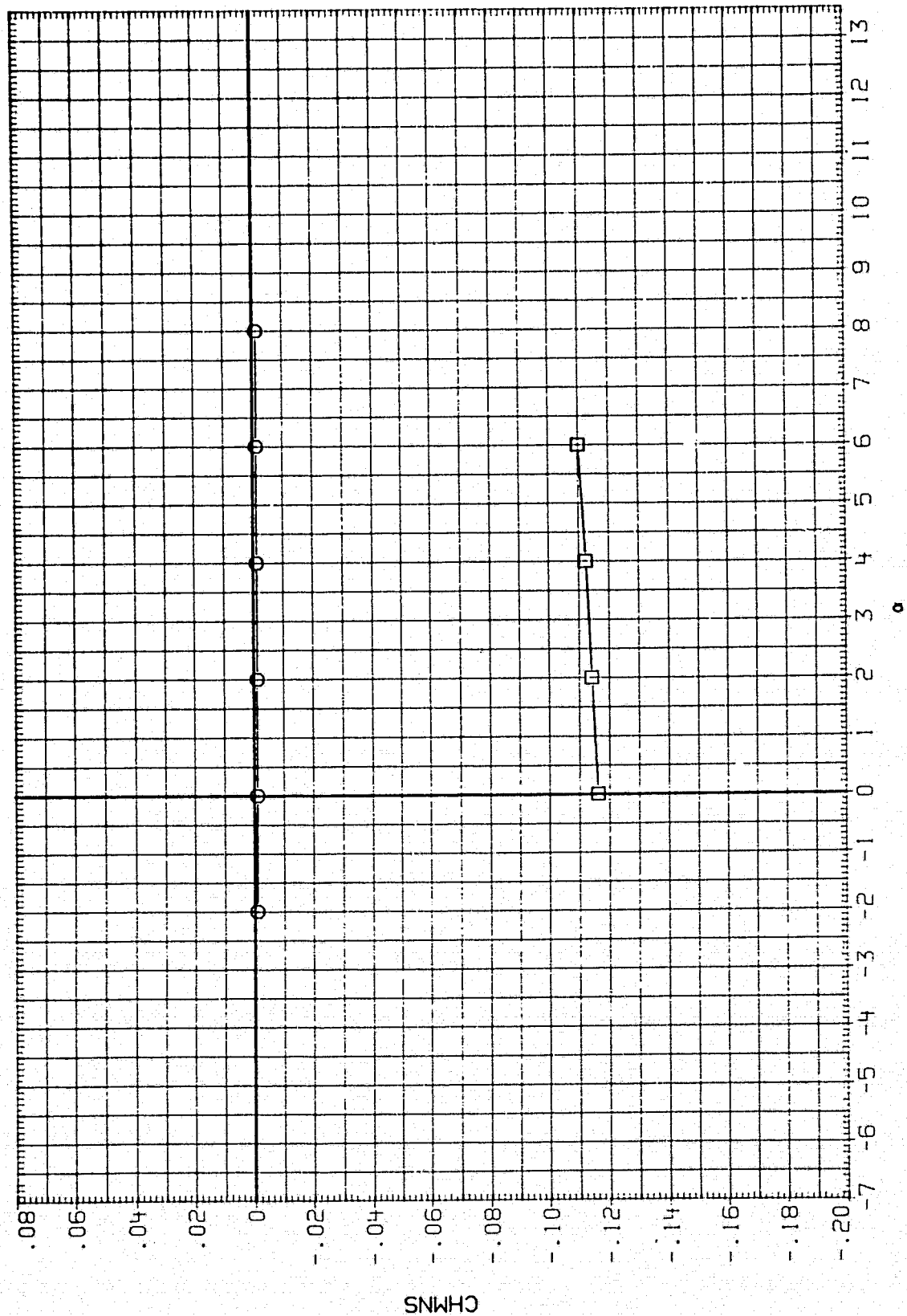


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 32.2 DEG

(B) BETA = -2.00

DATA SET SYMBOL

AFPH01
AFPH10

0A163B 868C12620M16N28H127E5F 10V8P5X911
0A163B 868C12620M16N28H127E5F 10V8P5X911

CONFIGURATION

THETAN 5.000 30.800 66.000
THETML 5.000 5.000 5.000
THETMR 5.000 4.000 5.000
PHI-ML 32.200 32.200 32.200
PHI-MR 32.200 26.000 32.200
ELV-L .000 .000 .000
BDFLAP .000 .000 .000

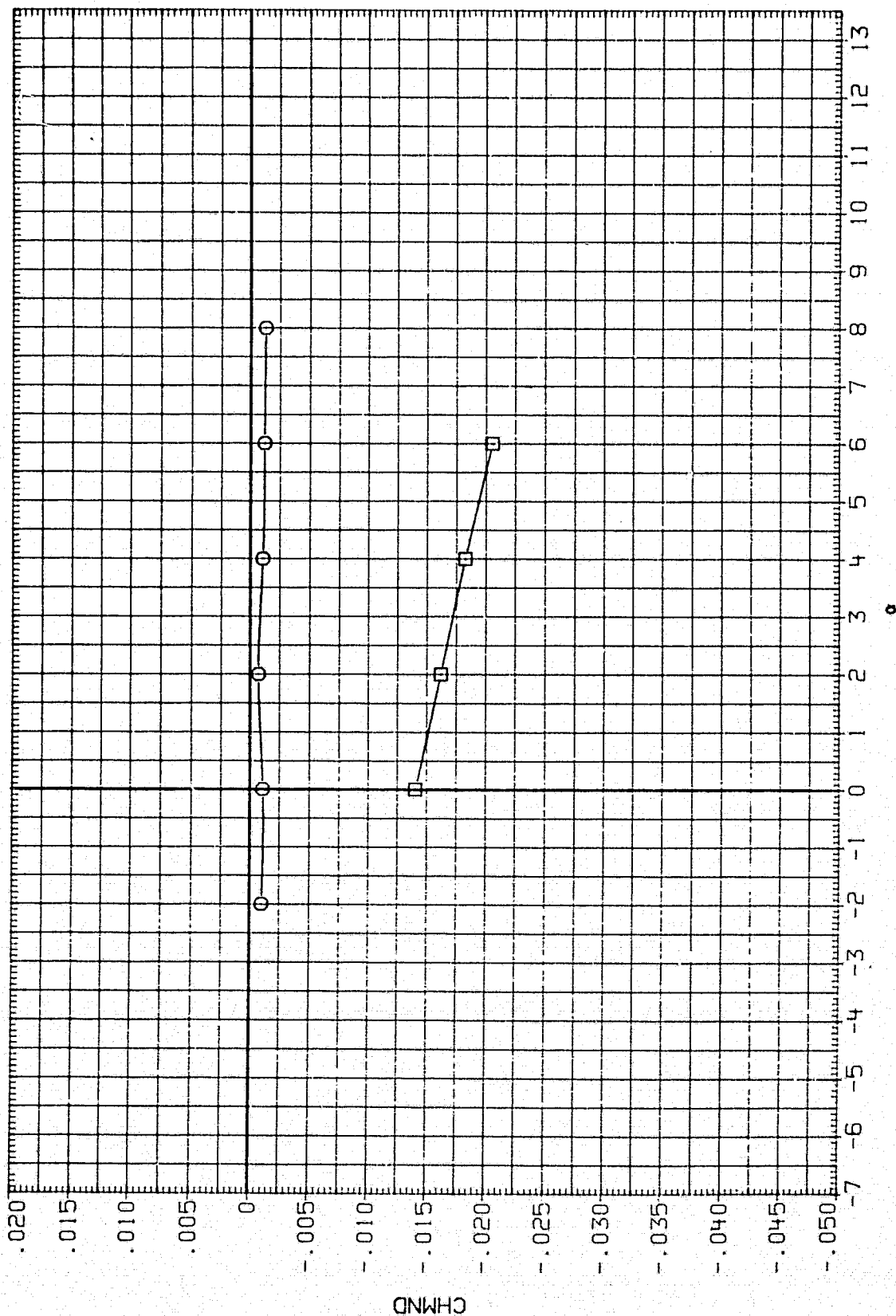


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGED MOMENTS, PHI-M = 32.2 DEG

(B) BETA = -2.00

DATA SET SYMBOL	CONFIGURATION	THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0A163B B68C12G20M16N28K127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	0A163B B68C12G20M16N28K127E5F10V8R5X911	108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

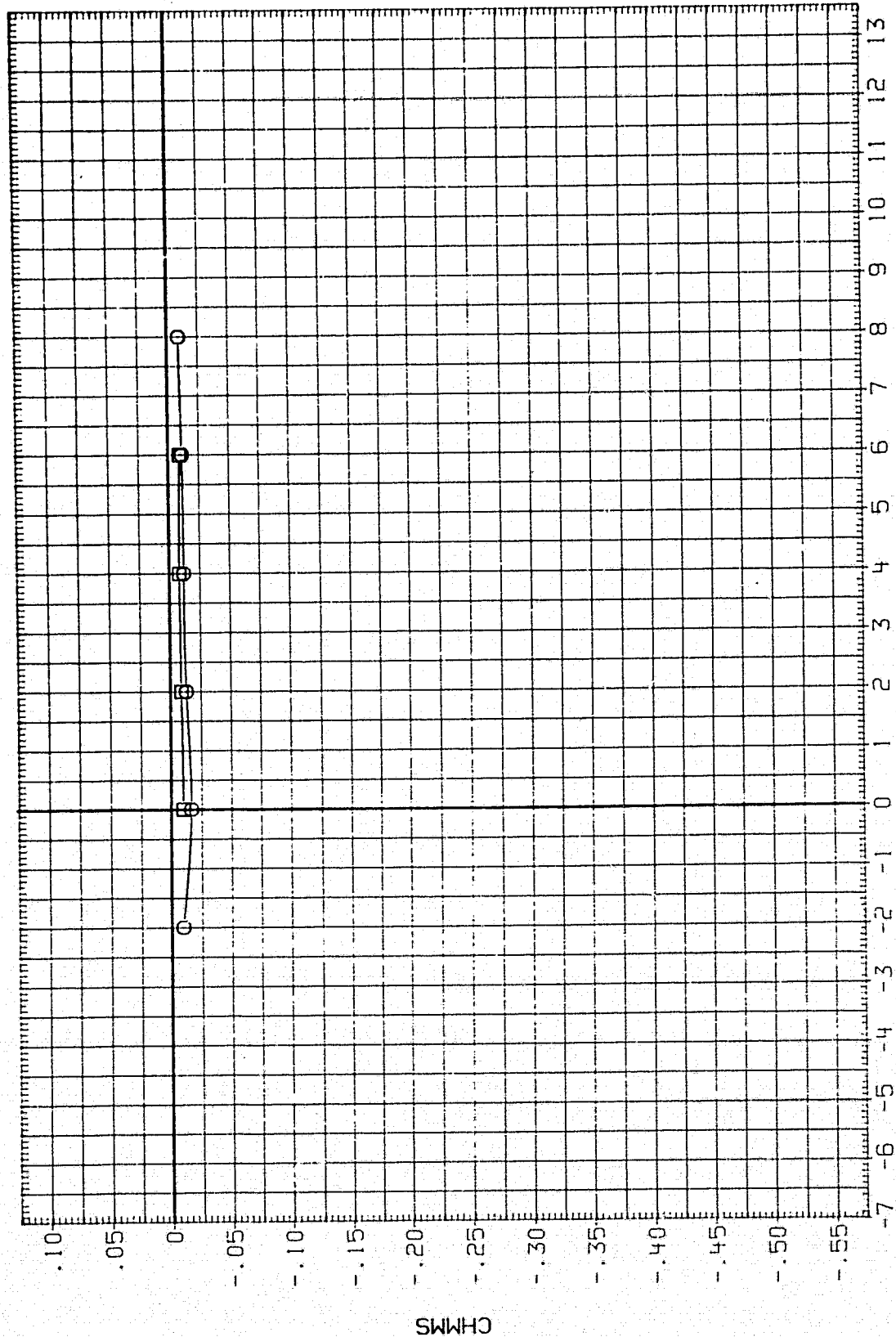


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

(B) BETA = -2.00

DATA SET SYMBOL

AFPH01
AFPH10

CONFIGURATION

0A163B B68C12G20M16N28M127E5F10V8R5X911
0A163B B68C12G20M16N28M127E5F10V8R5X911

THETAN
5.000
108.000

PHI-N
30.800
66.000

THETML
5.000
5.000

THETMR
5.000
4.000

PHI-ML
32.200
32.200

PHI-MR
32.200
26.000

ELV-L
.000
.000

BOFLAP
.000
.000

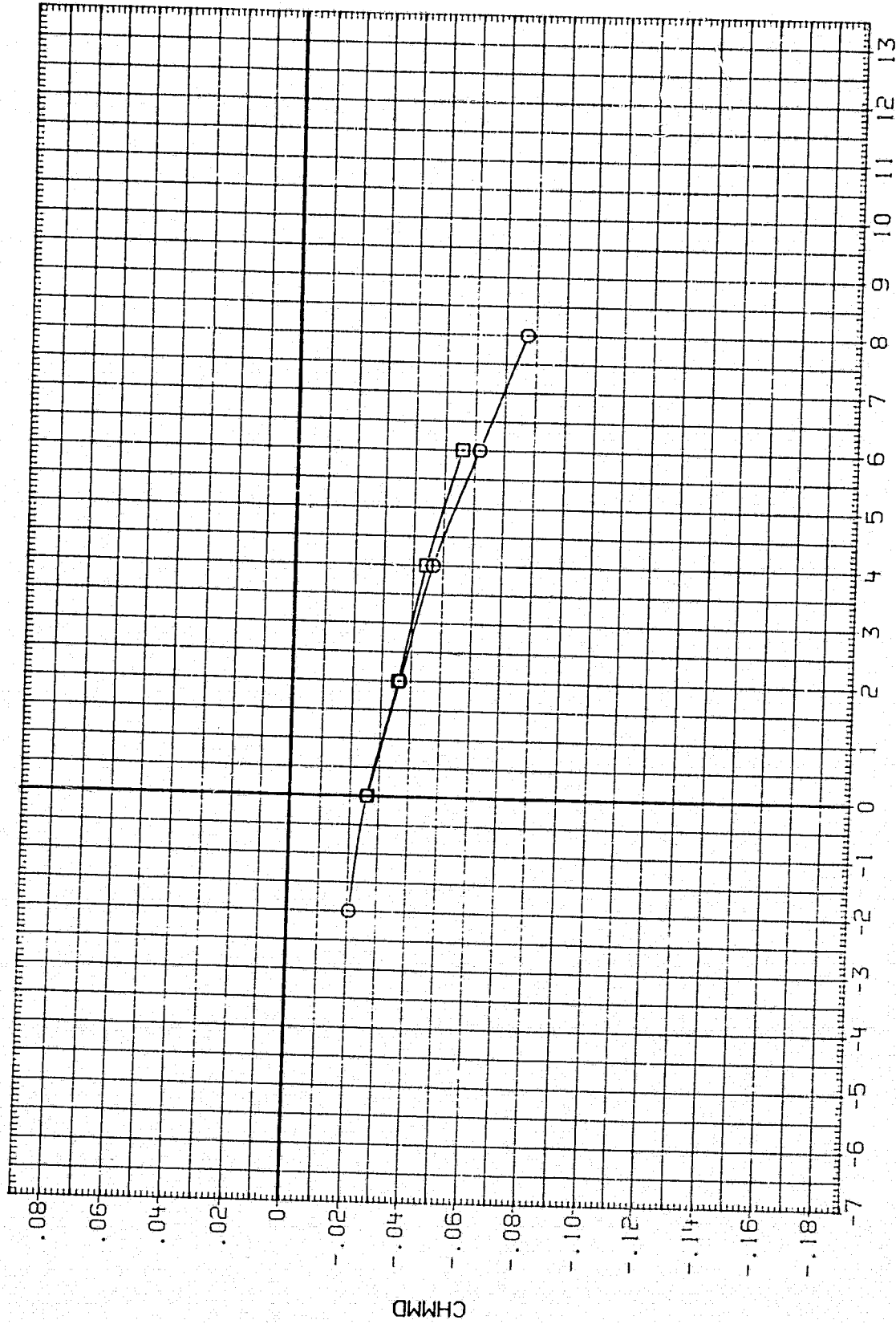


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 32.2 DEG

(B) BETA = -2.00

DATA SET SYMBOL	CONFIGURATION	THE TAY	PHI-N	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0A163B B66C12G20H16128H127E5F 10VBR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	0A163B B66C12G20H16128H127E5F 10VBR5X911	108.000	66.000	5.000	4.000	32.200	25.000	.000	.000

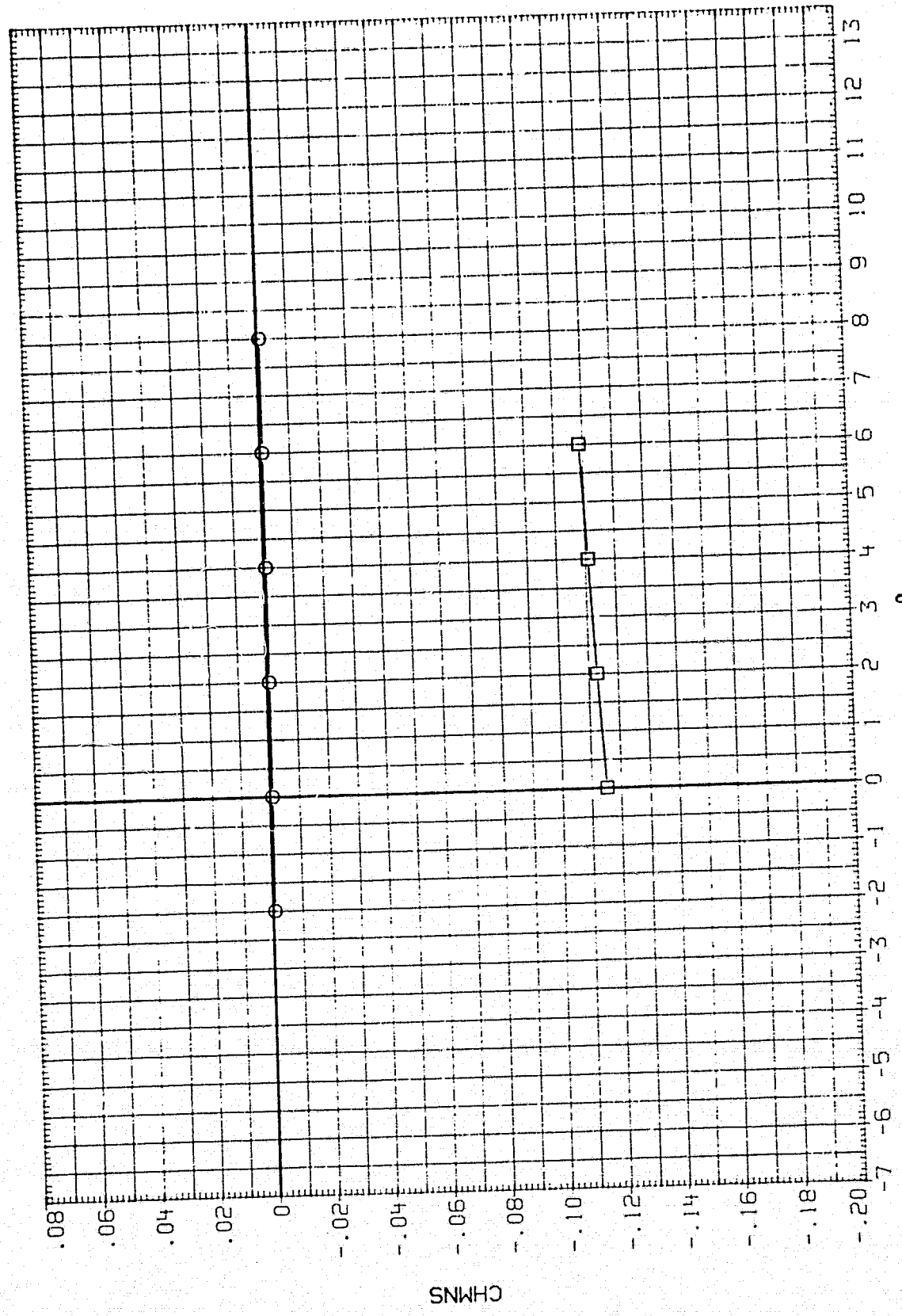


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

(C) BETA = -1.00

DATA SET SYMBOL

AFPH01
AFPH10

CONFIGURATION

0A163B B68C12G20M16N28H127E5F10V8R5X911
0A163B B68C12G20M16N29H127E5F10V8R5X911

THETAN 5.000 108.000
PHI-N 30.800 66.000
THETML 5.000 5.000
THETMR 5.000 4.000
PHI-ML 32.200 32.200
PHI-MR 32.200 26.000
ELV-L .000 .000
BOFLAP .000 .000

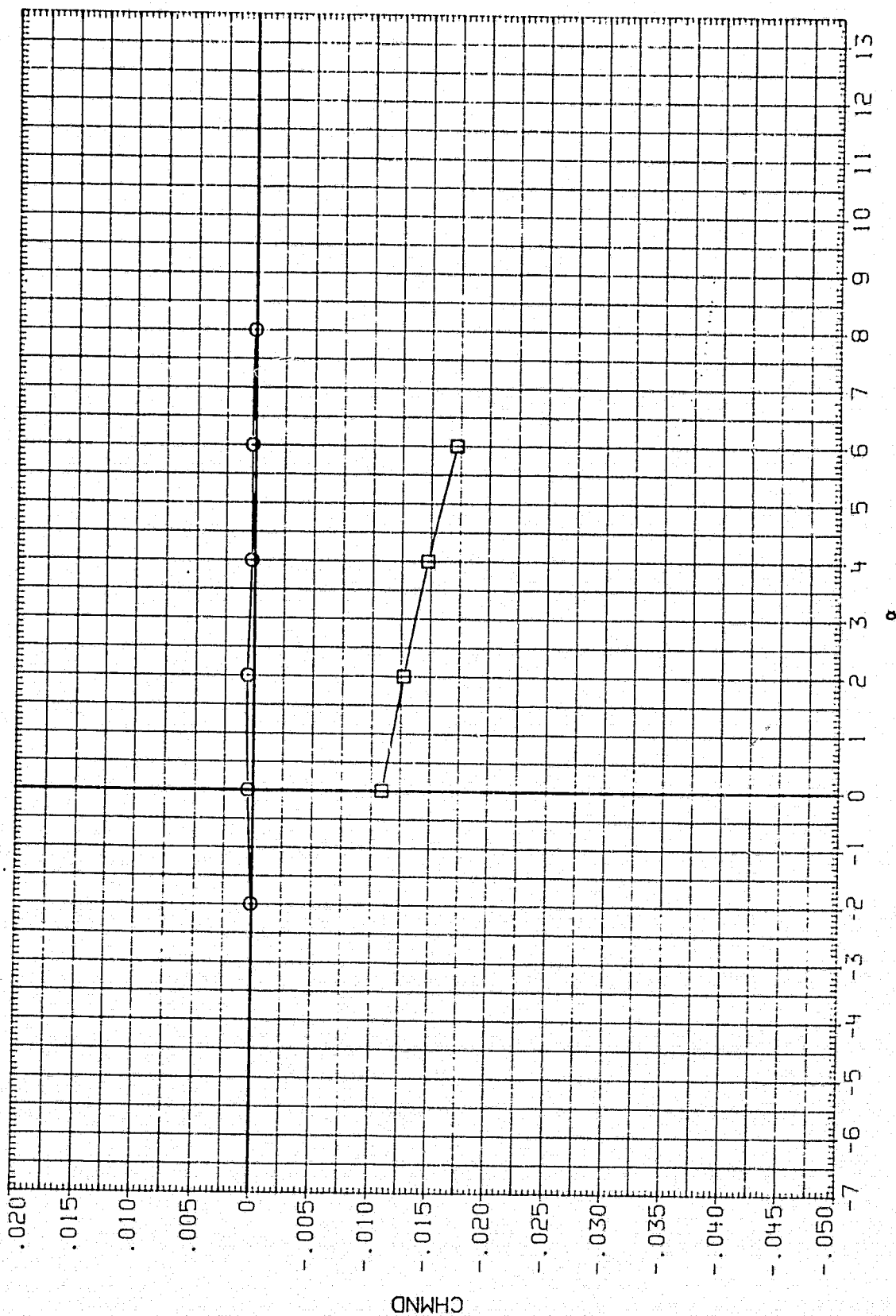


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS. PHI-M = 32.2 DEG

(C)BETA = -1.00

DATA SET SYMBOL
 APP-01
 AFPH10

CONFIGURATION

0A163B B68C12G20M16N28M127E5F 10V8R5X911
 0A163B B68C12G20M16N28M127E5F 10V8R5X911

THE TAN 5.000 108.000
 PHI-N 30.800 66.000
 THE TML 5.000 5.000
 THE TMR 5.000 4.000
 PHI-ML 32.200 32.200
 PHI-MR 32.200 26.000
 ELV-L .000 .000
 BDFLA² .000 .000

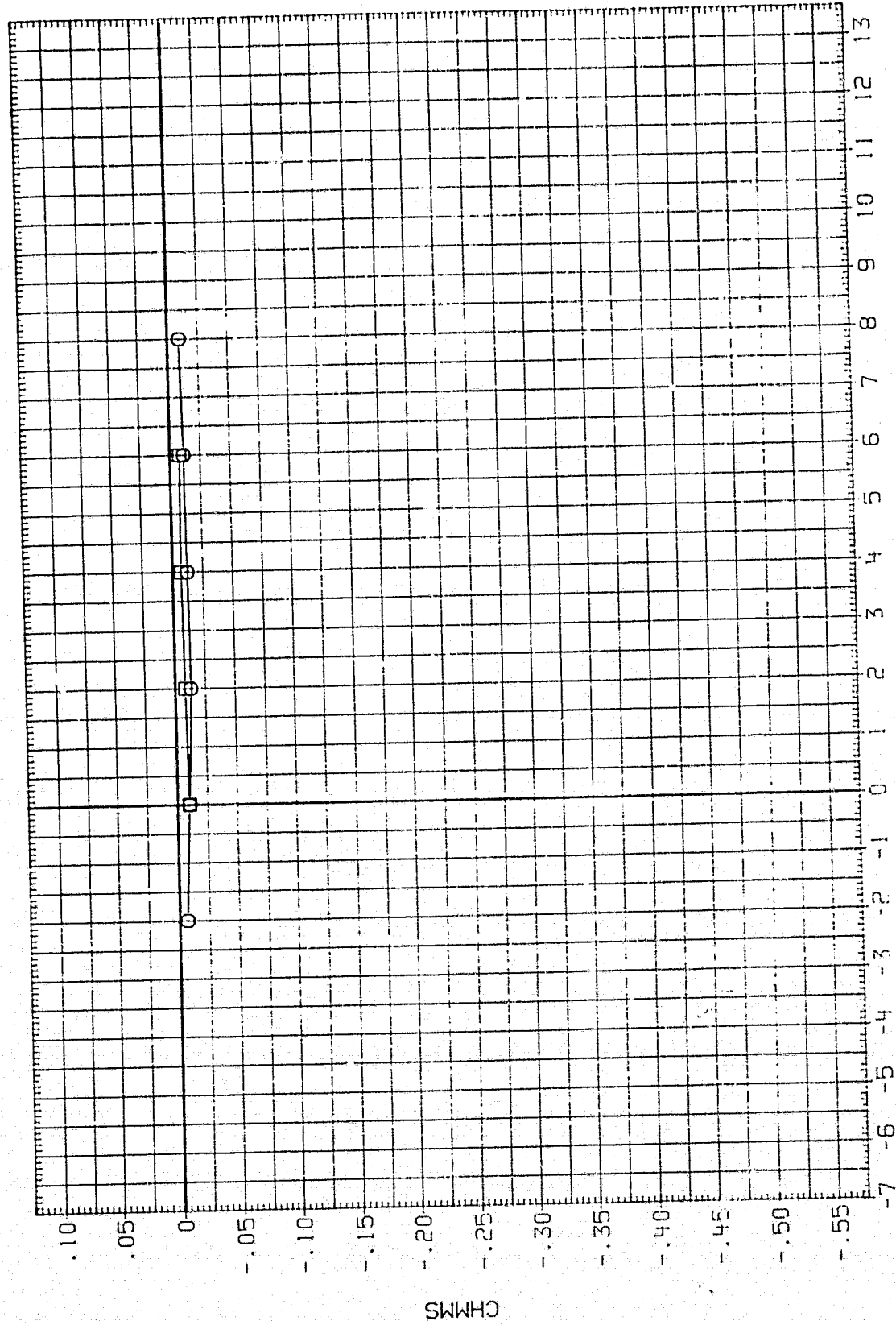


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

(C)BETA = -1.00

DATA SET SYMBOL		CONF IGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	□	0A1638	B56C12020M16N28W127E5F10VR5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	□	0A1638	B56C12020M16N28W127E5F10VR5X911	108.000	66.000	5.000	4.000	32.200	25.000	.000	.000

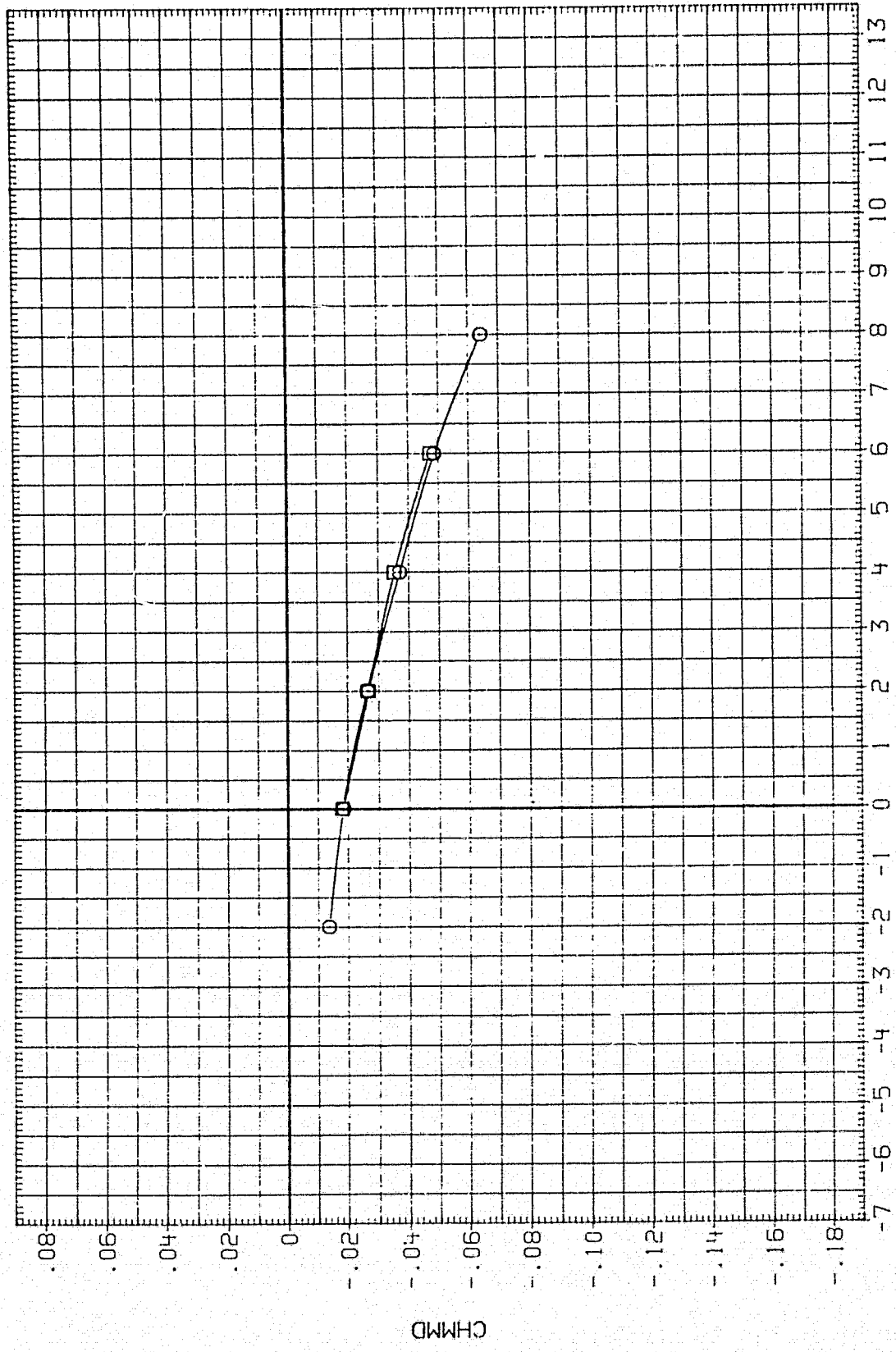


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 32.2 DEG

(C) BETA = -1.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAF
AFPH01	0A163B B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	0A163B B68C12G20M16N28M127E5F10V8R5X911	108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

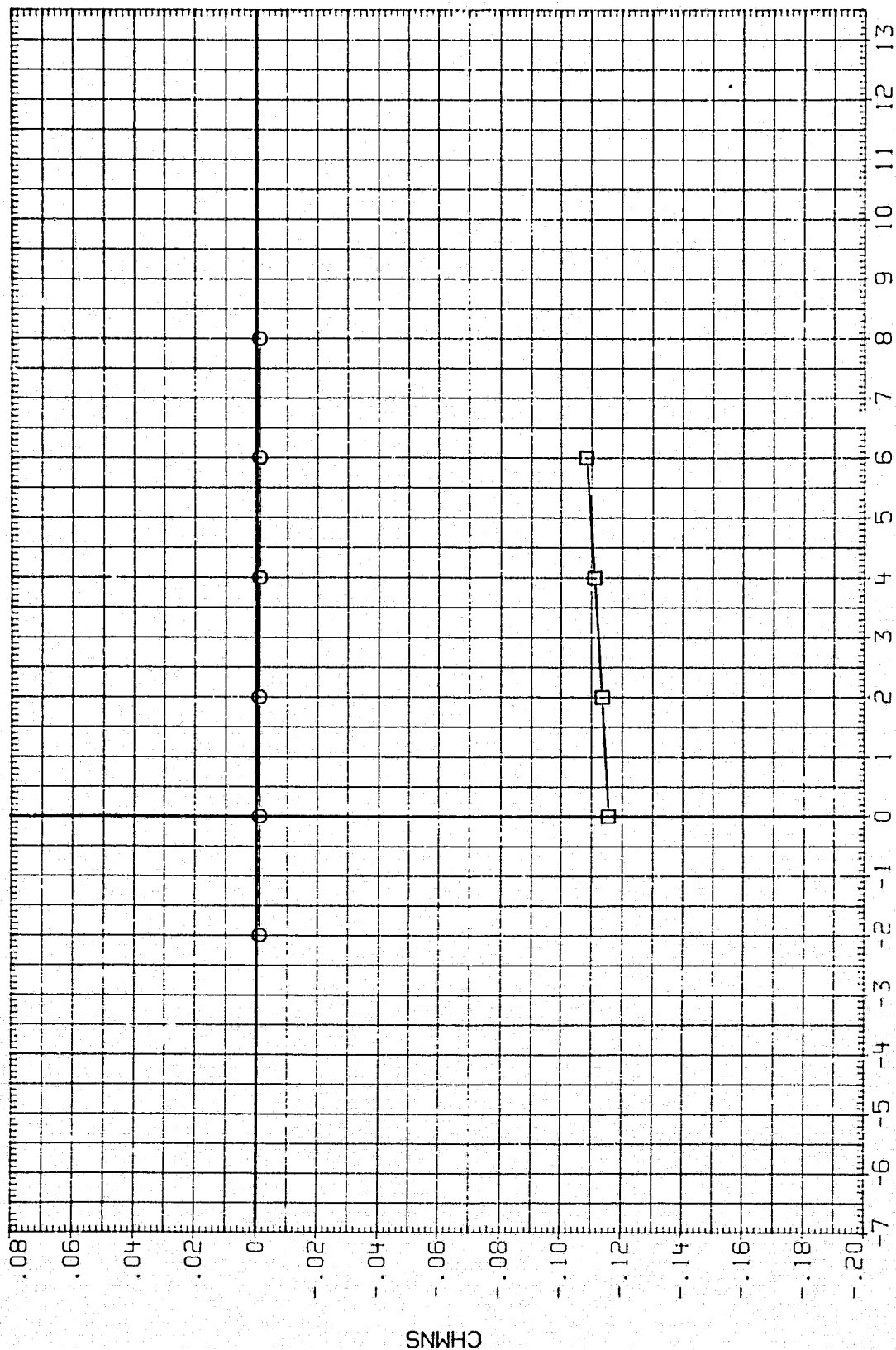


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPHQ1	0A163B	B68C12G20M16N28K127E5F	10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH1C	0A163B	B68C12G20M16N28K127E5F	10V8P5X911	108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

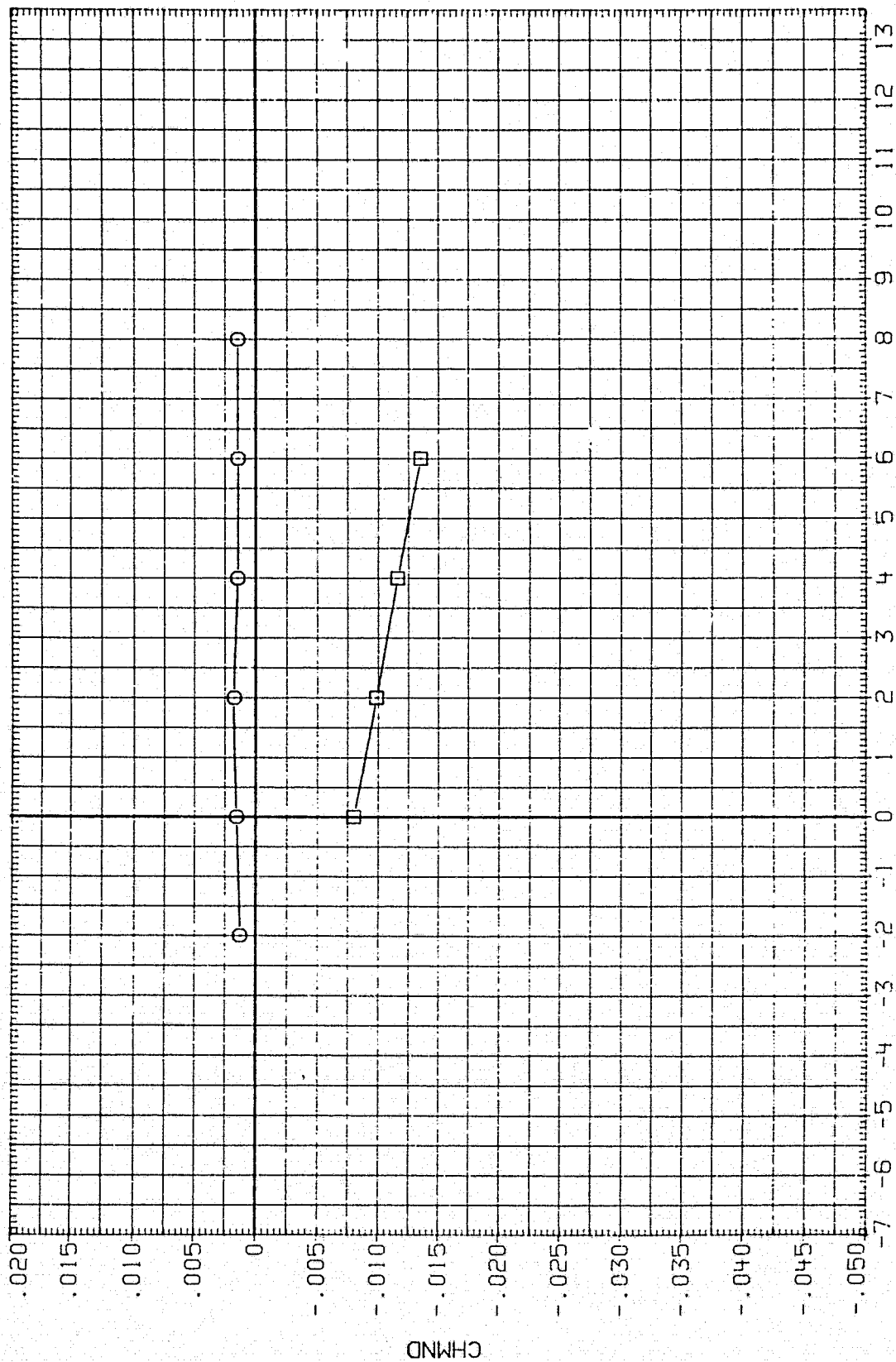


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 32.2 DEG

(O) BETA = .00

DATA SET SYMBOL		CONF IGURATION		THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	□	0A163B	B68C12G20M1E128M127E5F10V8RSX911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	□	0A163B	B68C12G20M1G128M127E5F10V8RSX911	108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

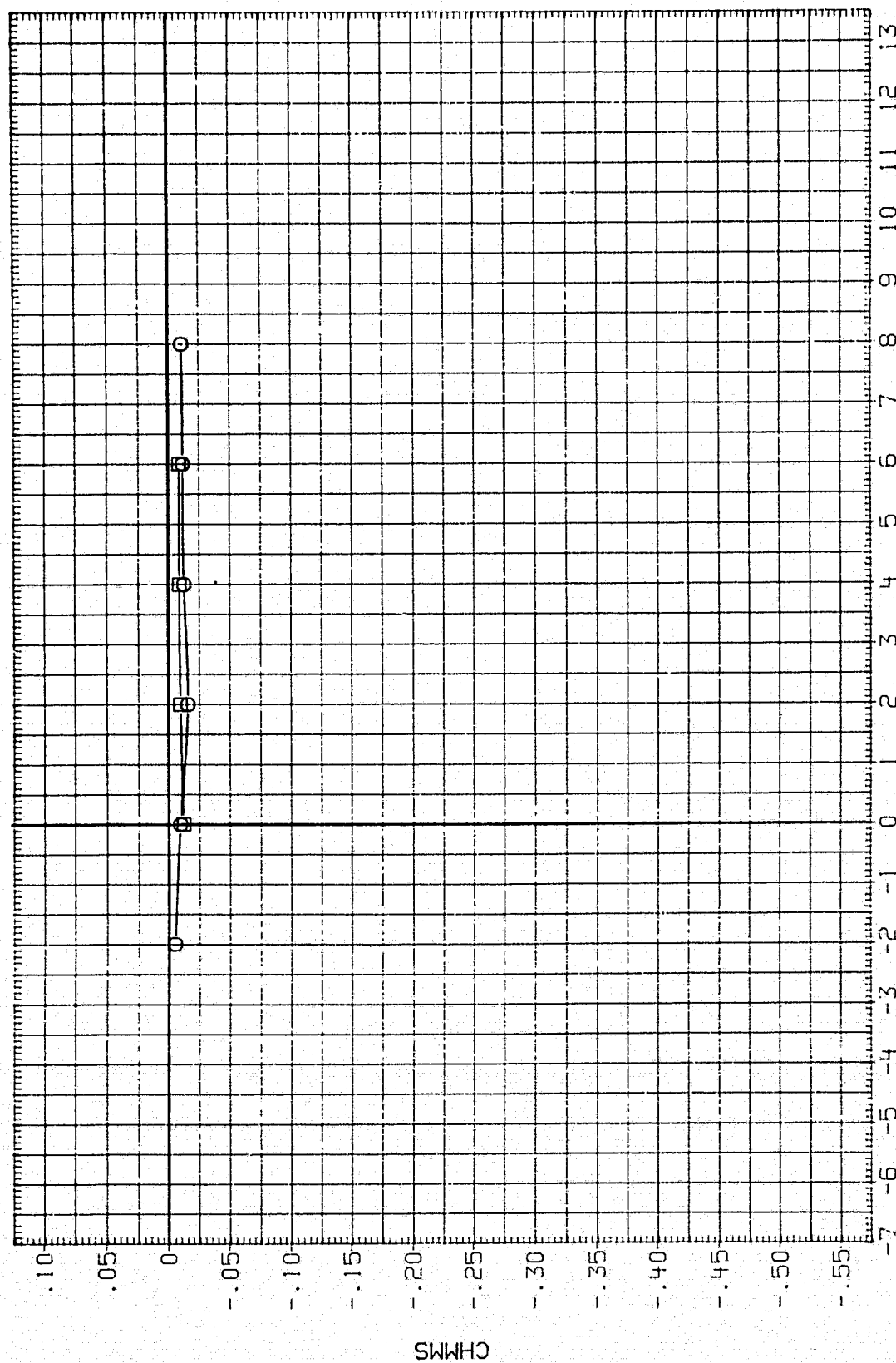


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

DATA SET SYMBOL
AFPH01
AFPH10

CONFIGURATION
0A163B B68C12020M16126H127E5F10VBR5X911
0A163B B68C12020M16126H127E5F10VBR5X911

THETAN PHI-N THETML THETMR PHI-ML PHI-MR ELV-L BDFLAP
5.000 30.800 5.000 5.000 32.200 32.200 .000 .000
108.000 66.000 5.000 4.000 32.200 26.000 .000 .000

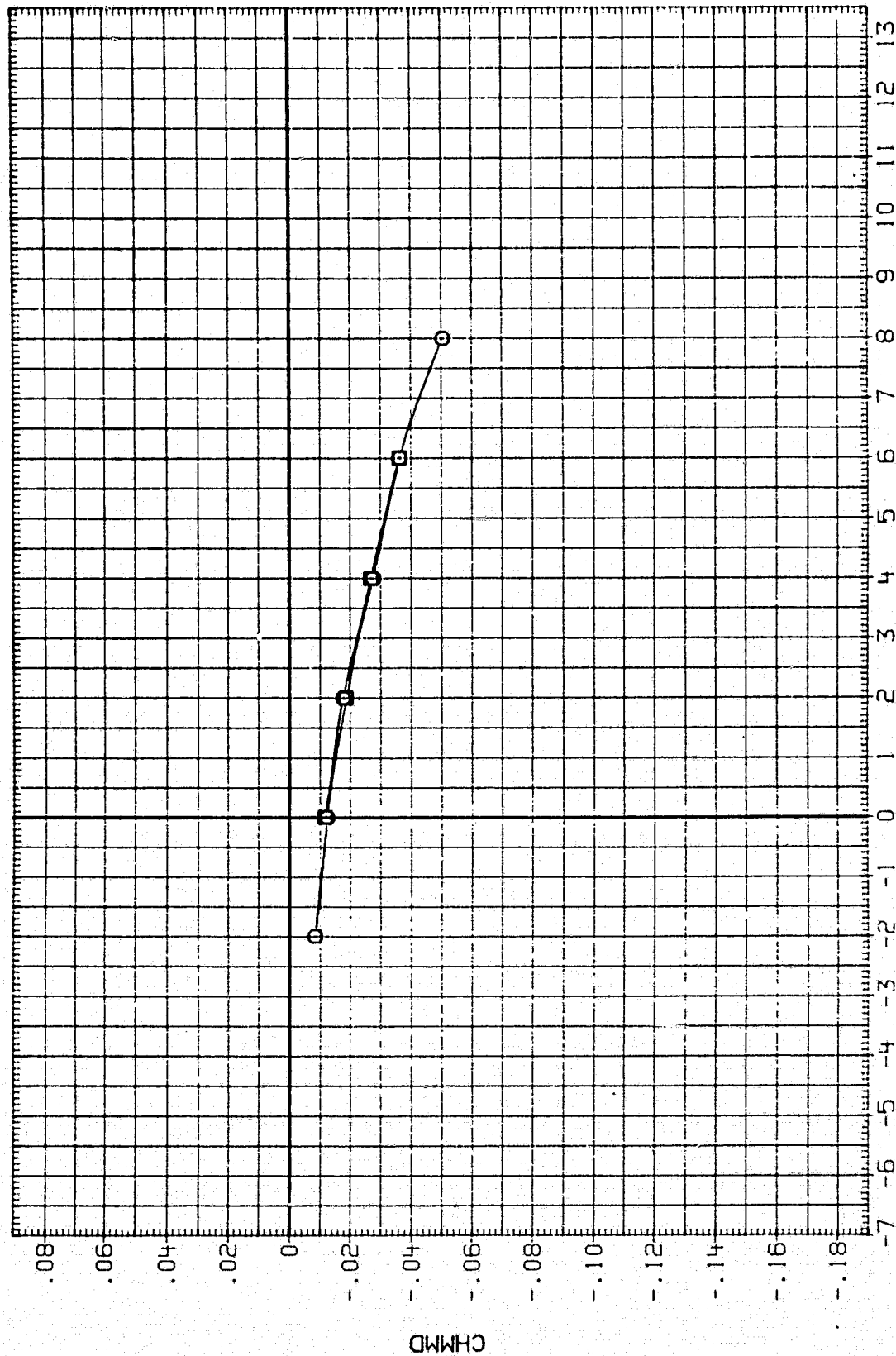


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

(D) BETA = .00

DATA SET SYMBOL		CONF IGURATION		THE TAN	PHI -N	THE TML	THE TMR	PHI -ML	PHI -MR	ELV-L	BDELAP
AFPH01	0	0A163B	B68C12G20M16N28W127E5F	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	□	0A163B	B68C12G20M16N28W127E5F	108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

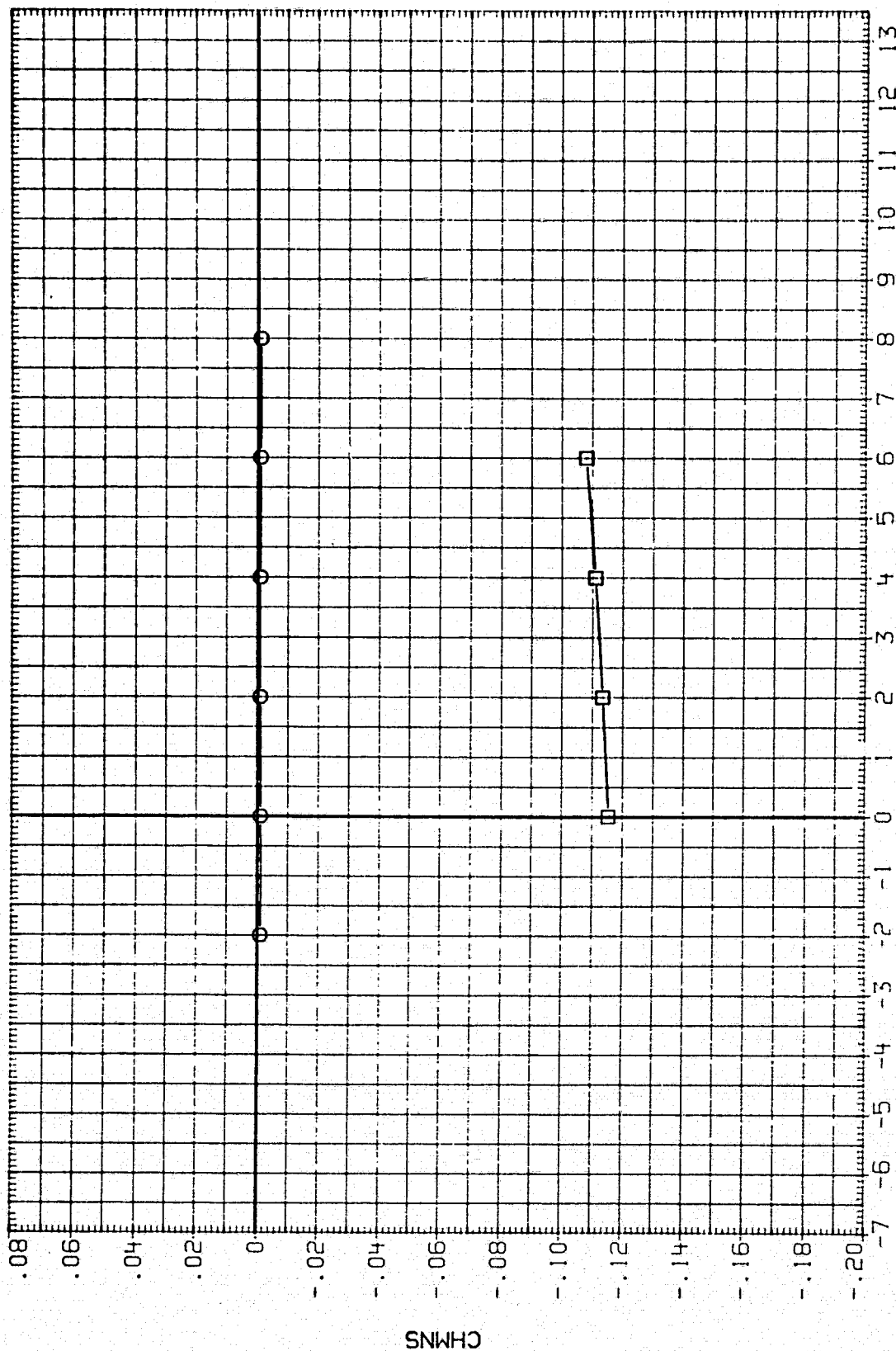


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

(E)BETA = 1.00

DATA SET SYMBOL

AFPH01
AFPH10

CONFIGURATION

0A163B B66C12020M16N28H127E5F10V8R5X911
0A163B B66C12020M16N28H127E5F10V8R5X911

THETAN
5.000
108.000

PHI-N
30.800
66.000

THETML
5.000
5.000

THETMR
5.000
4.000

PHI-ML
32.200
32.200

PHI-MR
32.200
26.000

ELV-L
.000
.000

BOFLAP
.000
.000

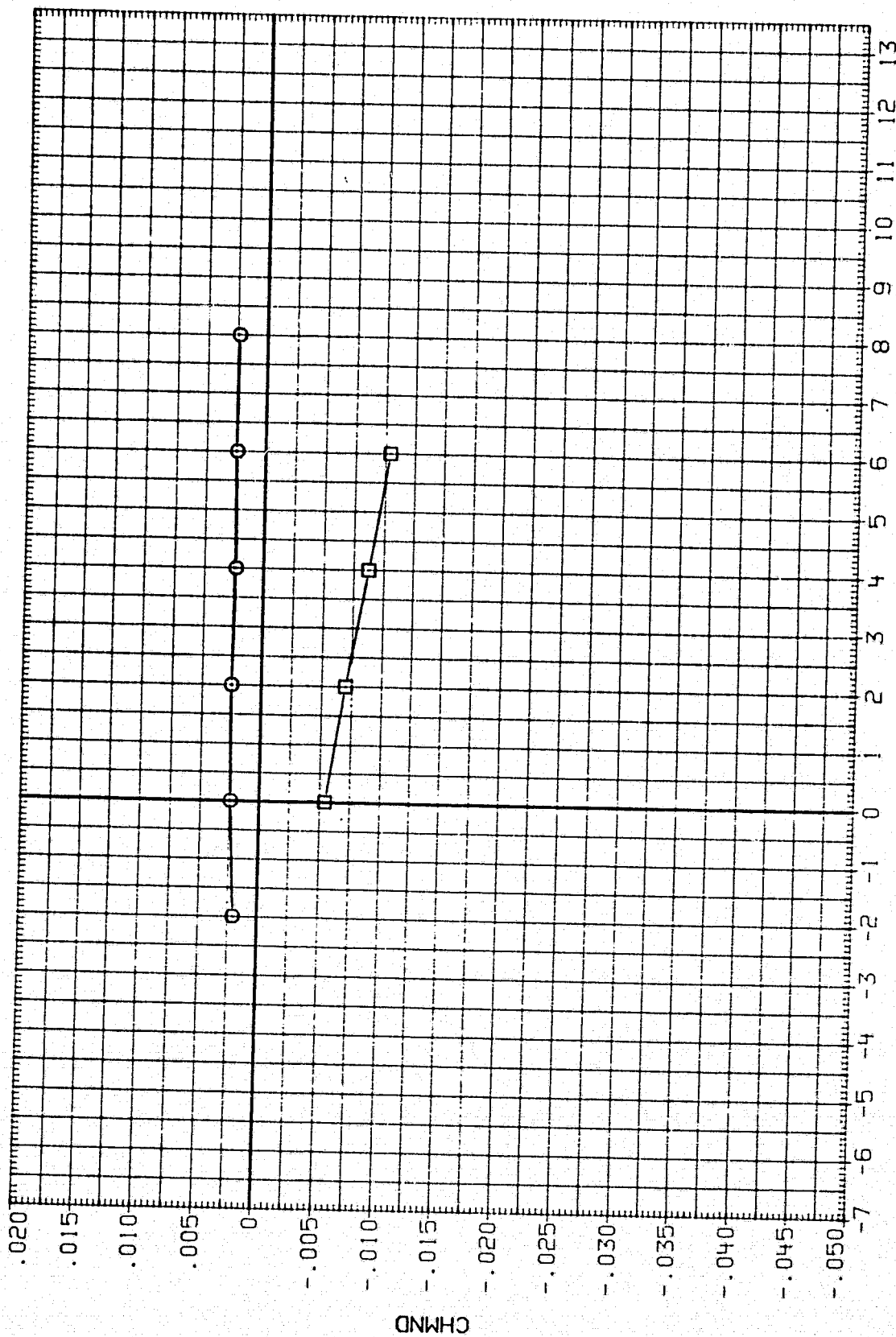


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 32.2 DEG

(E) BETA = 1.00

DATA SET SYMBOL
 AFPH01
 AFPH10

CONFIGURATION
 0A163B B68C12020M16N28H127E5F10V8R5X911
 0A163B B68C12020M16N28H127E5F10V8R5X911

THETAN	PHI-N	THETML	THETMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

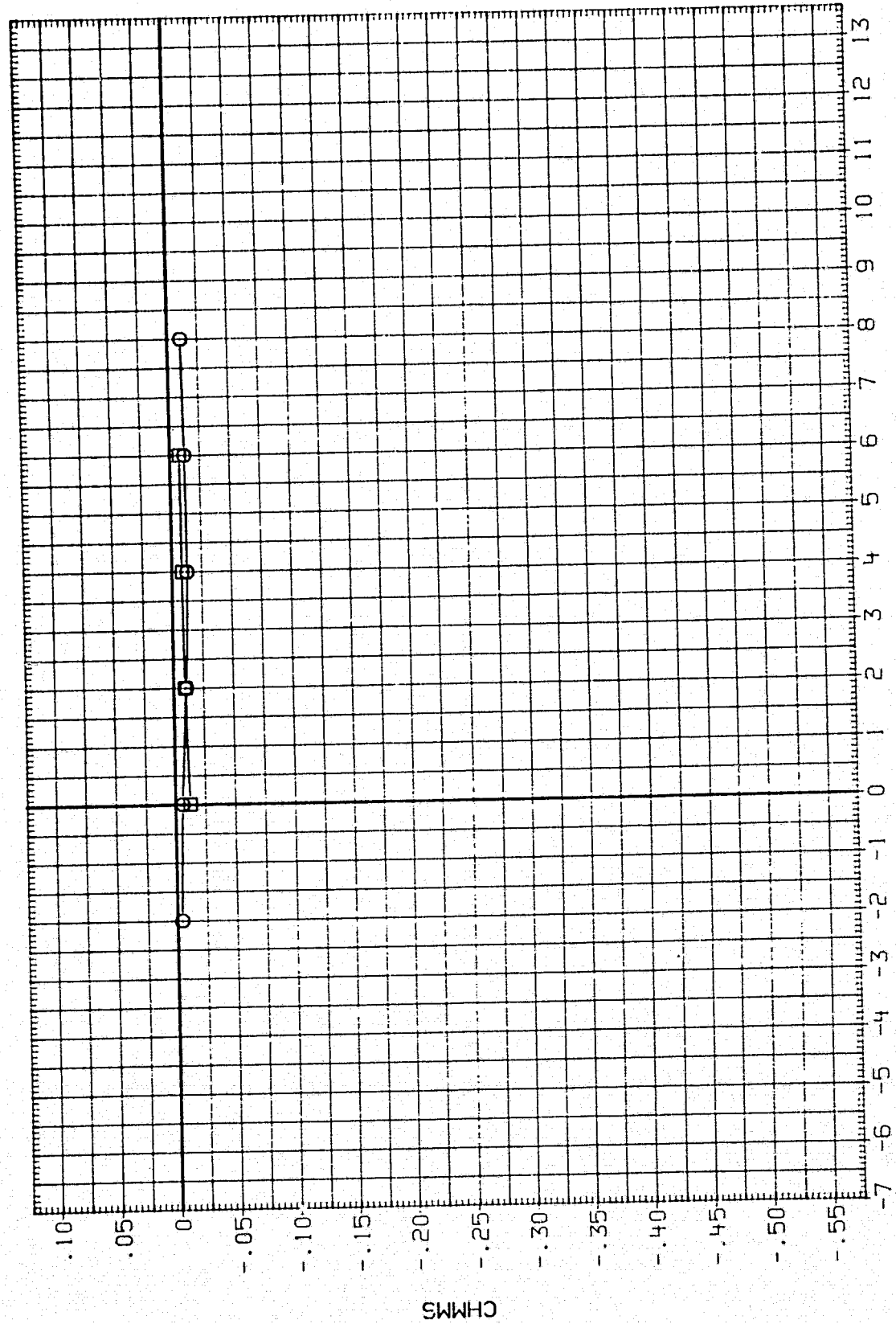


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGED MOMENTS, PHI-M = 32.2 DEG

(E)BETA = 1.00

DATA SET SYMBOL		CONF IGURATION		THETA	PHI-N	THETA	THETA-M	THETA-M	PHI-M	PHI-MR	ELV-L	BDFLAP
AFPH01	○	0A1639	B68C12G20M16N28M127E5F10V8R5X911	5.000	30.800	5.000	5.000	5.000	32.200	32.200	.000	.000
AFPH10	□	0A1639	B68C12G20M16N28M127E5F10V8R5X911	108.000	66.000	5.000	4.000	4.000	32.200	26.000	.000	.000

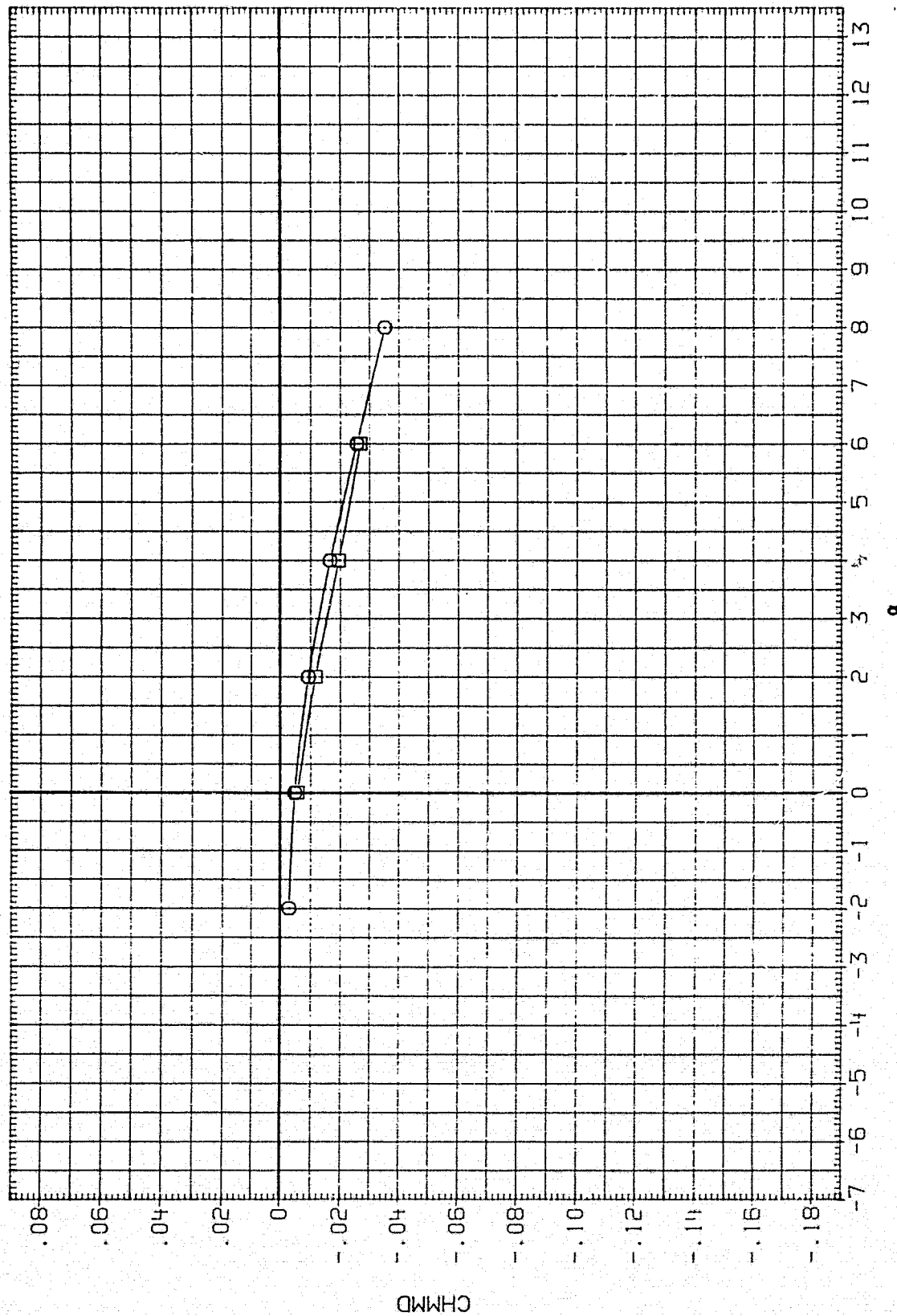


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 32.2 DEG

(E)BETA = 1.00

DATA SET SYMBOL		CONF IGURATION		THETAN	PHI-N	THETML	THEIMR	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	0	0A163B	B68C12020M16N28W127E5F	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	□	0A163B	B68C12020M16N28W127E5F	108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

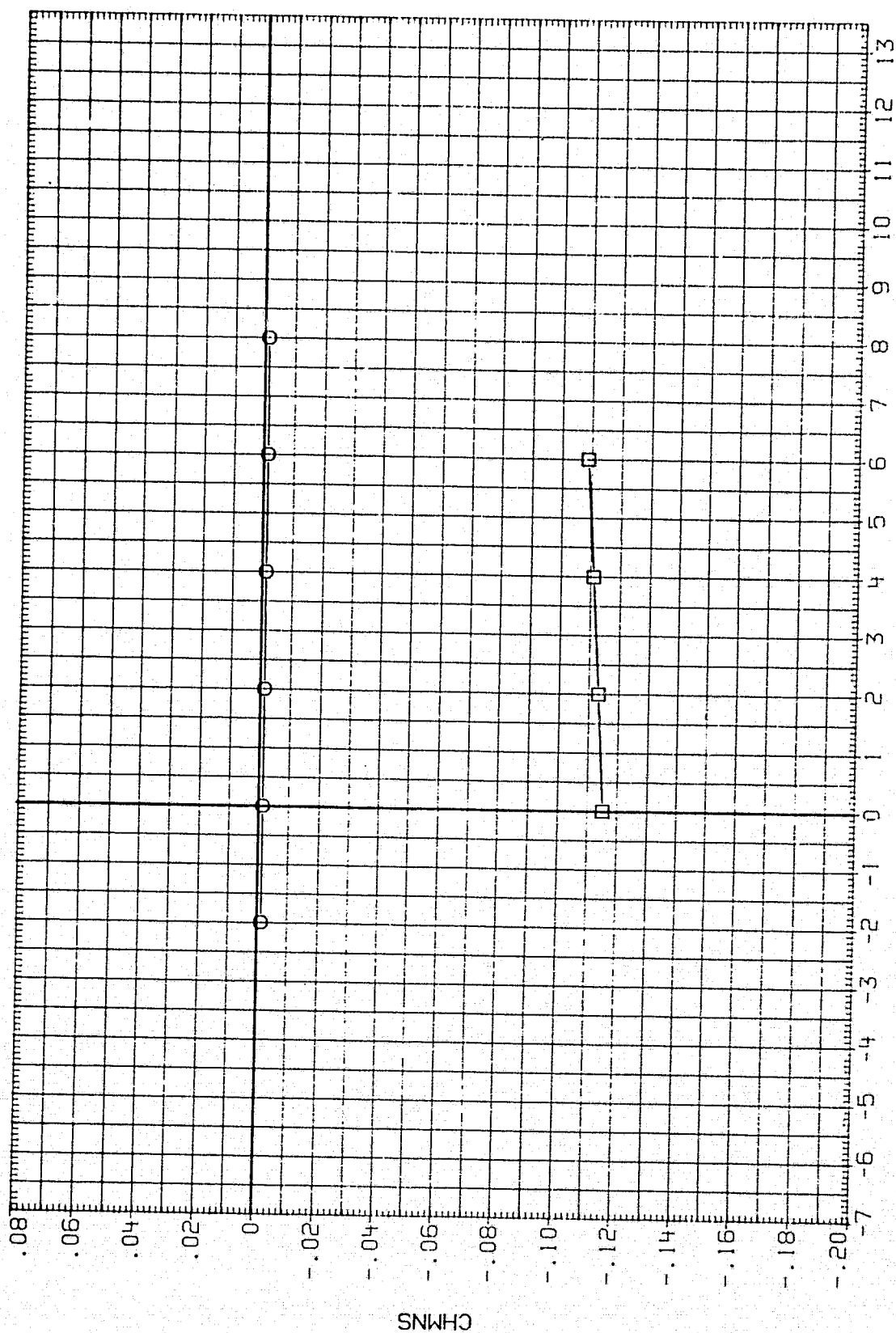


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

(F) BETA = 2.00

DATA SET SYMBOL

AFPH01
AFPH10

□

CONF IGURATION

0A1638 B58C12620M16N28H127E5F10V8P5X911
0A1638 B58C12620M16N28H127E5F10V8P5X911

THETAN 5.000 108.000
PHI-N 30.800 55.000
THETML 5.000 5.000
THETMR 5.000 4.000
PHI-ML 32.200 32.200
PHI-MR 32.200 25.000
ELV-L .000 .000
BDFLAP .000 .000

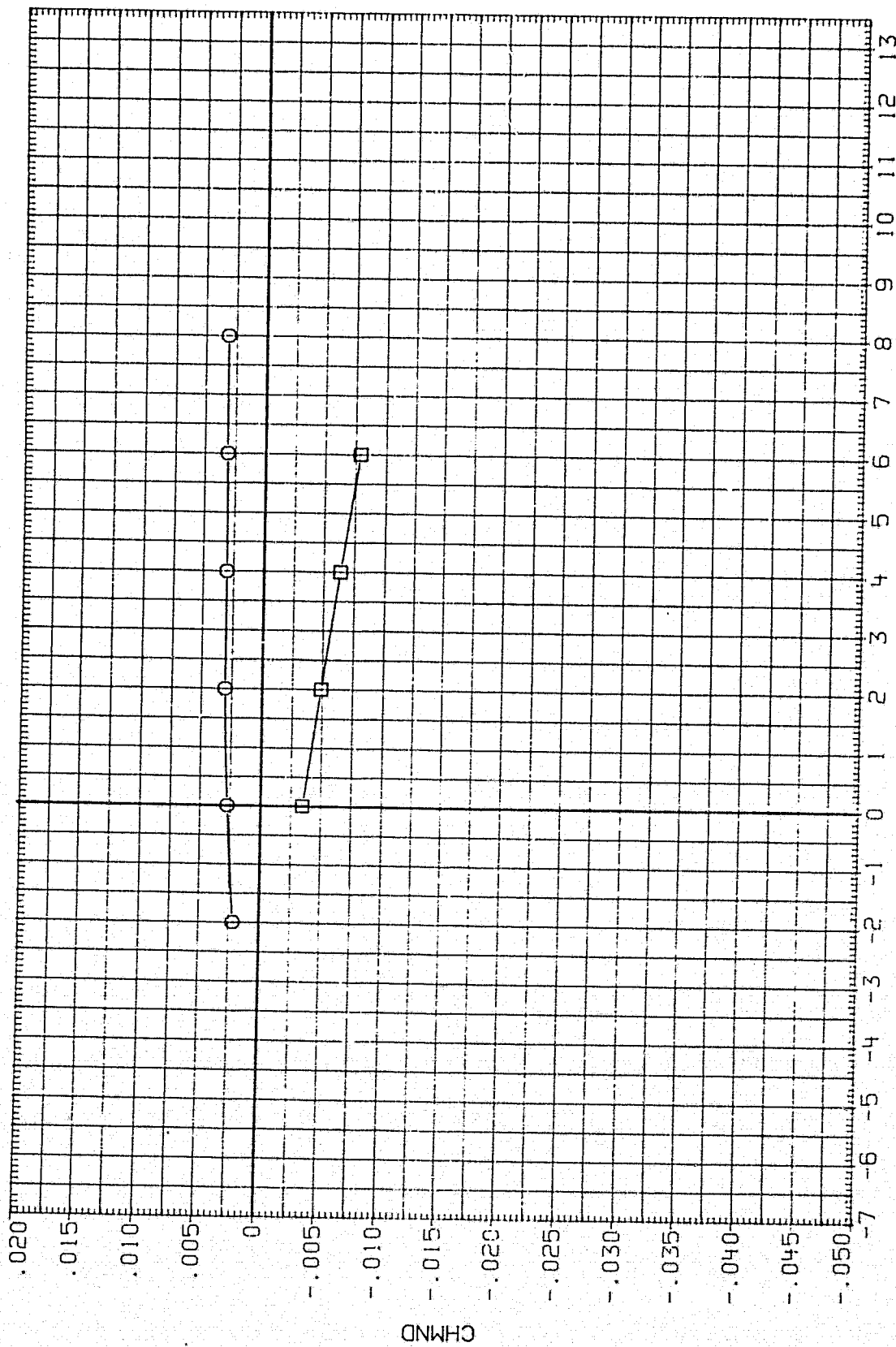


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 32.2 DEG

(F)BETA = 2.00

DATA SET SYMBOL	CONFIGURATION	THE TAN	PHI-H	THE TML	THE TMR	PHI-ML	PHI-MR	ELV-L	BDF LAP
AFPH01	0A1638 B56C12G20M16N28H127E5F10V8P5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	
AFPH10	0A1638 B56C12G20M16N28H127E5F10V8P5X911	108.000	66.000	5.000	4.000	32.200	26.000	.000	

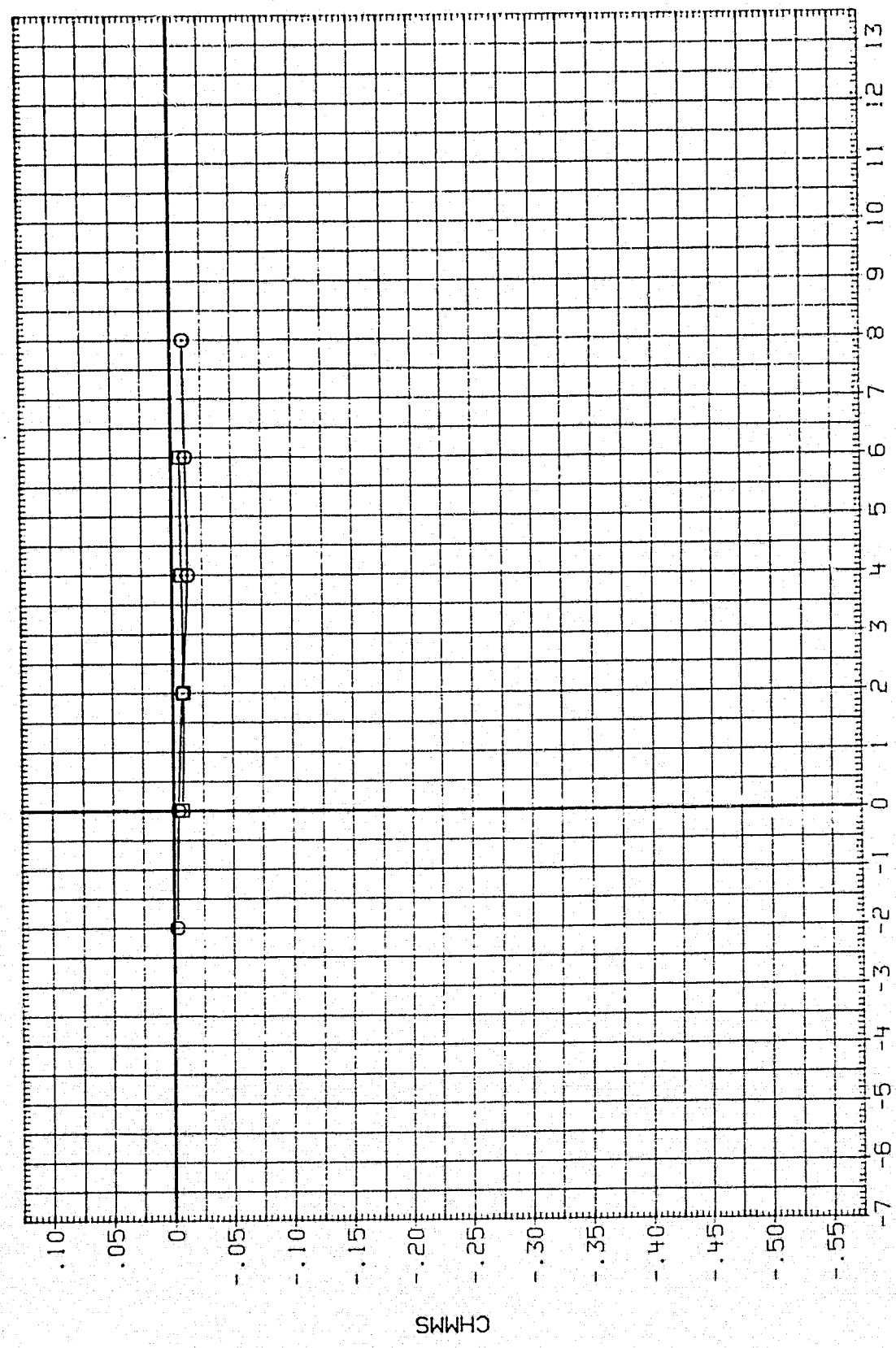


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

(F) BETA = 2.00

DATA SET SYMBOL
 AFPH01
 AFPH10

CONFIGURATION

0A163B B68C12C20M16M28M127E5F10VBR5X911
 0A163B B68C12C20M16M28M127E5F10VBR5X911

THETAN
 5.000
 108.000

PHI-N
 30.800
 66.000

THETML
 5.000
 5.000

THETMR
 5.000
 4.000

PHI-ML
 32.200
 32.200

PHI-MR
 32.200
 26.000

ELV-L
 .000
 .000

BOFLAP
 .000
 .000

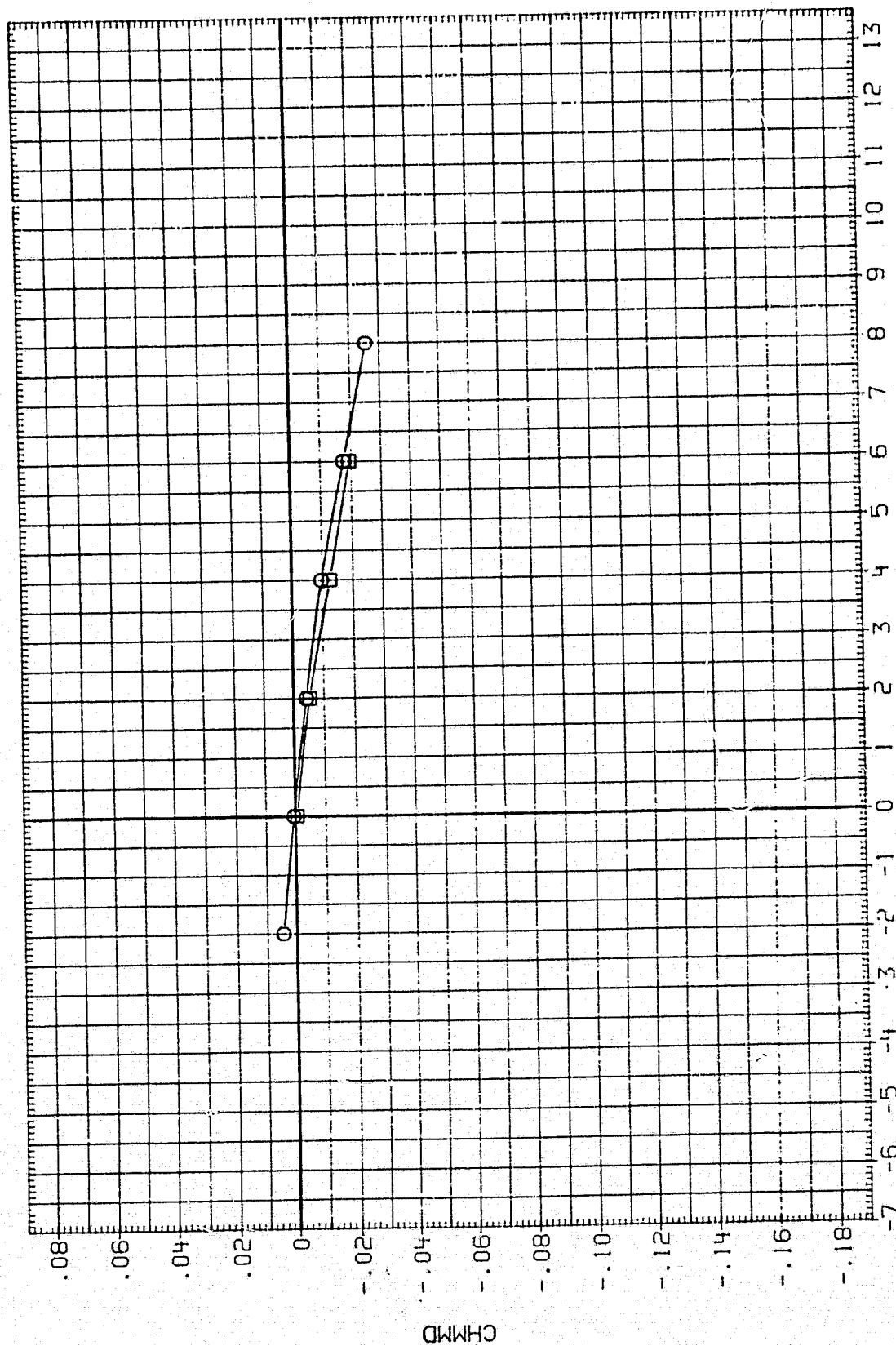


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS. PHI-M = 32.2 DEG

(F)BETA = 2.00

DATA SET SYMBOL

AFPH01
AFPH10

CONF IGURATION

0A163B B68C12C20M16N28W127E5F10VBR5X911
0A163B B68C12C20M16N28W127E5F10VBR5X911

THE TAN PHI-N THE TML THE TMR PHI-ML PHI-MR ELV-L BDF LAP
5.000 30.800 5.000 32.200 32.200 .000 .000
108.000 66.000 5.000 26.000 .000 .000

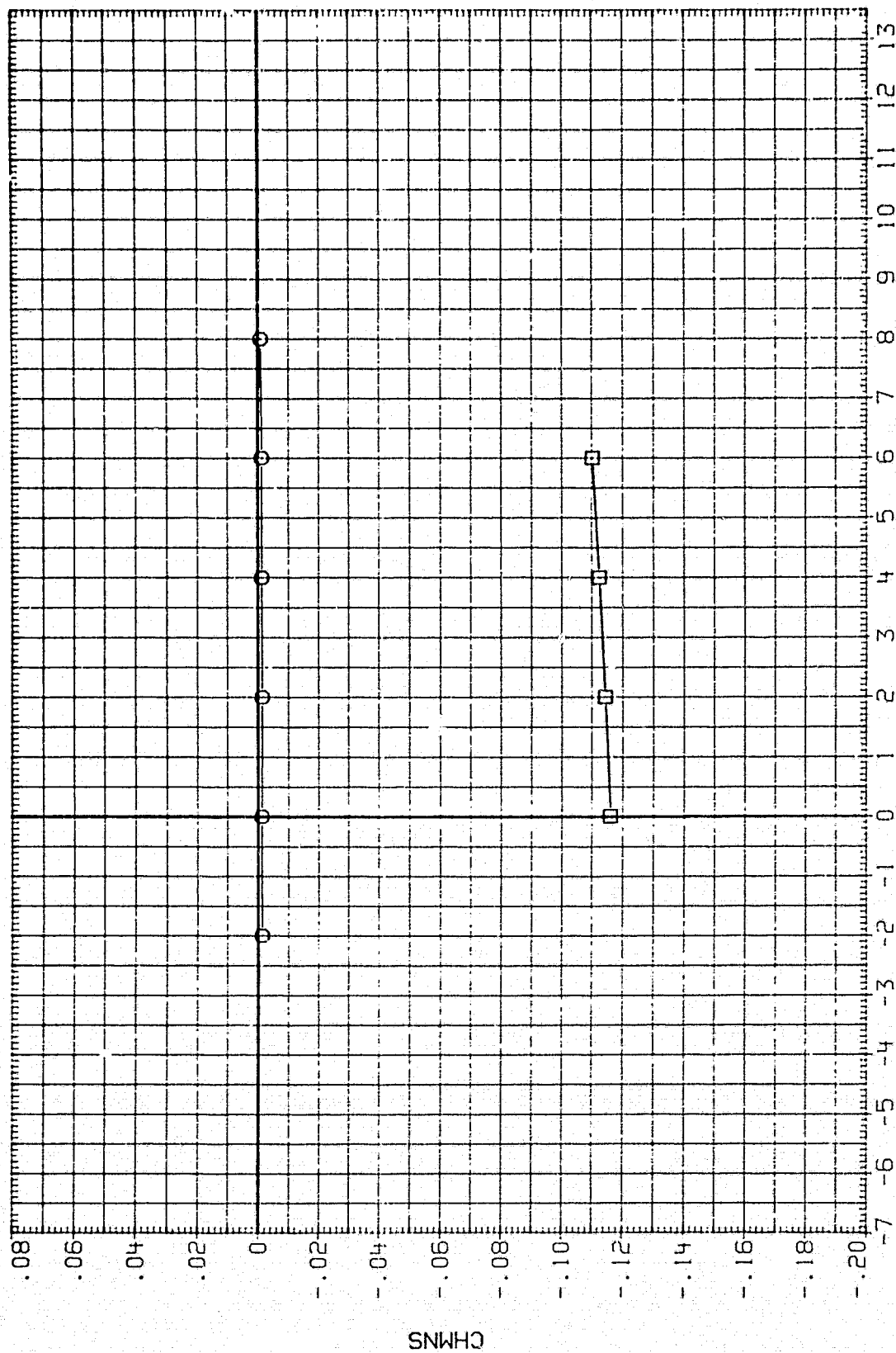


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGED MOMENTS, PHI-M = 32.2 DEG

DATA SET SYMBOL		CONFIGURATION		THETA	PHI-N	THETA	THETA-M	PHI-ML	PHI-MR	ELV-L	BDFLAP
AFPH01	□	0A163B	B68C12020M16N28H127E5F10V8R5X911	5.000	30.800	5.000	5.000	32.200	32.200	.000	.000
AFPH10	□	0A163B	B68C12020M16N28H127E5F10V8R5X911	108.000	66.000	5.000	4.000	32.200	26.000	.000	.000

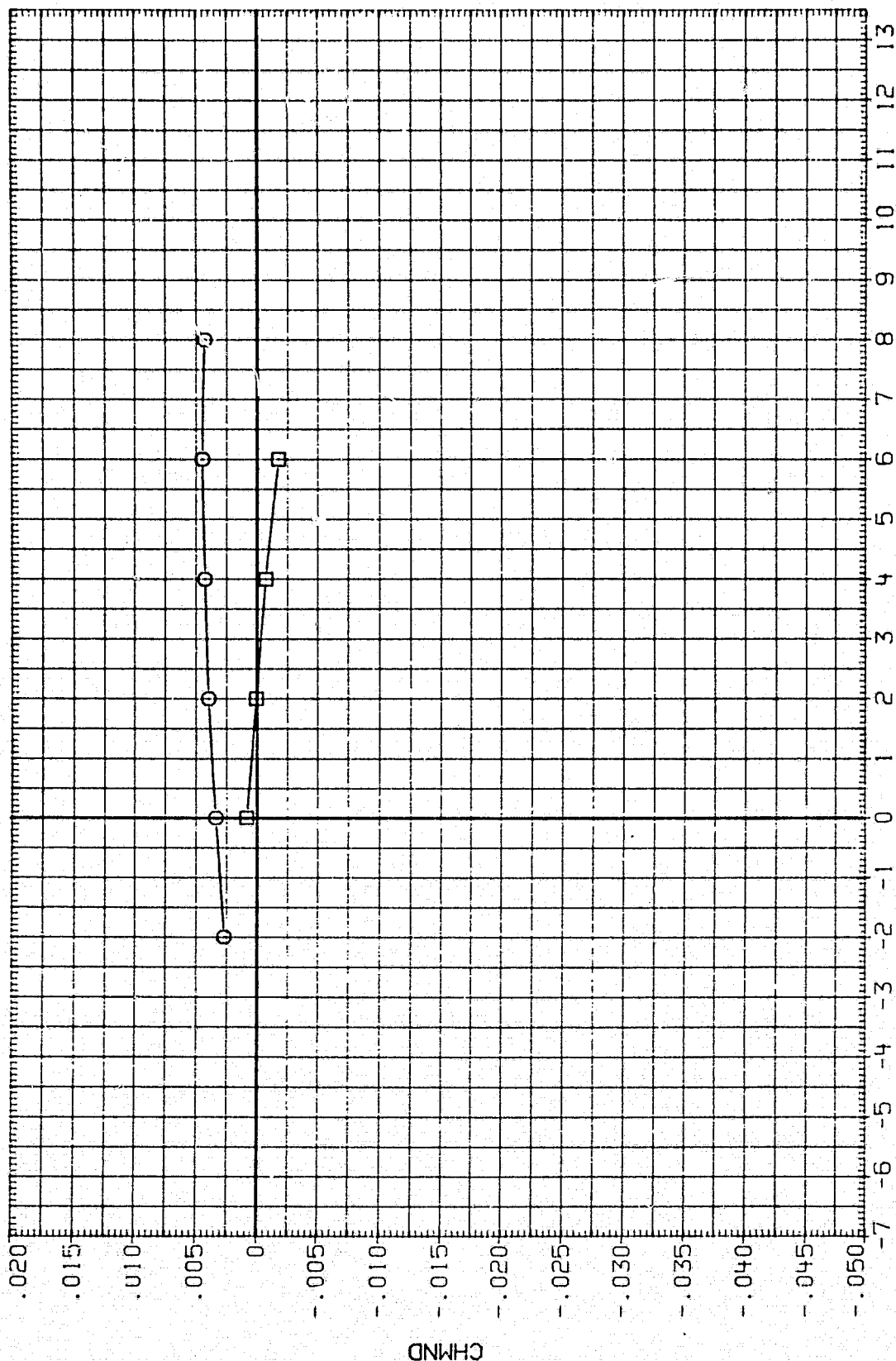


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

(G) BETA = 5.00

DATA SET SYMBOL		CONFIGURATION		THETAN	PHI-M	THETML	THEMPR	PHI-ML	PHI-MR	ELV-L	BDCLAP
AFPH01	□	0A163B	B68C12020M16N28W127E5F10V8R5X911	5.000	30.870	5.000	5.000	32.200	32.200	.000	.000
AFPH10	□	0A163B	B68C12020M16N28W127E5F10V8R5X911	108.000	66.030	5.000	4.000	32.200	26.000	.000	.000

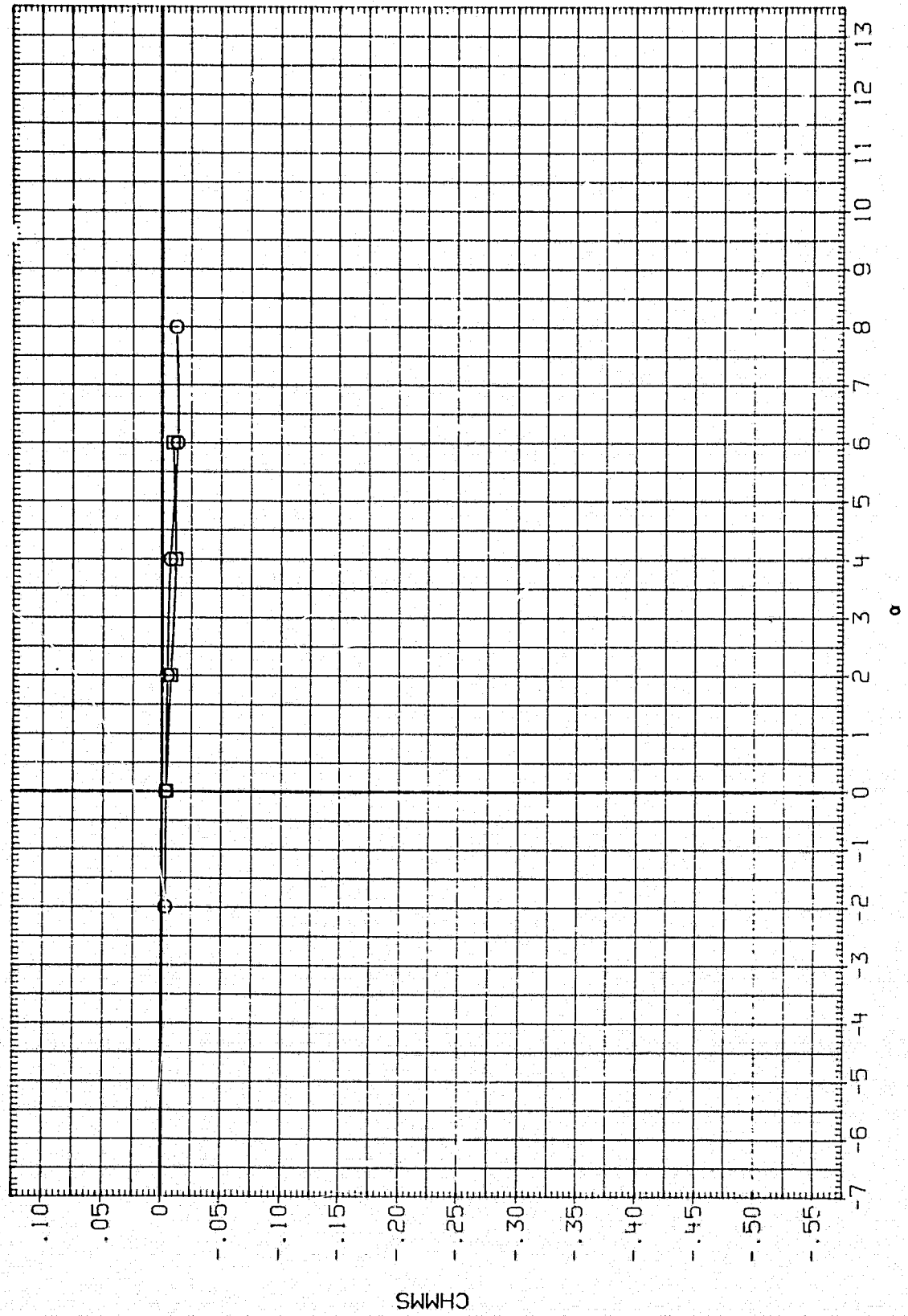


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGE MOMENTS, PHI-M = 32.2 DEG

DATA SET SYMBOL

AFPH01
AFPH10

□

CONF IGURATION

0A163B B68C12G20M16N28M127E5F10V8R5X911
0A153B B68C12G20M16N28M127E5F10V8R5X911

THETAN
5.000
108.000

PHI-N
30.800
66.000

THETML
5.000
5.000

THETMR
5.000
4.000

PHI-ML
32.200
32.200

PHI-MR
32.200
26.000

ELV-L
.000
.000

BDFLAP
.000
.000

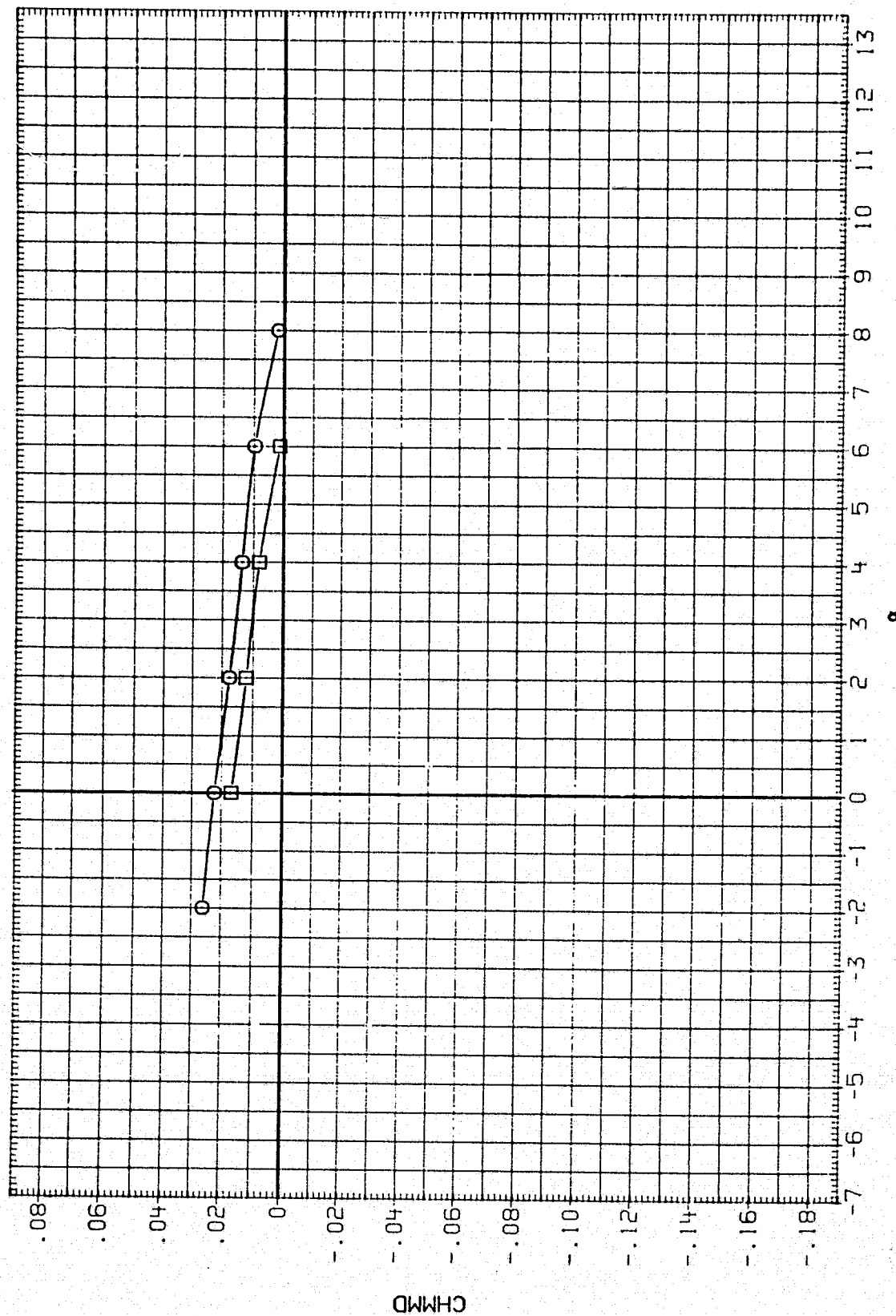


FIG 13 EFFECT OF NOSE LANDING GEAR POSITION ON HINGEMOMENTS, PHI-M = 32.2 DEG

(G)BETA = 5.00

AFPH09
SYMBOL

□ ◇ ◊ ◊ ◊

CONFIGURATION 0A163B B6BC12020M16N28M127E5F10V8R5X911

PARAMETRIC VALUES

BETA	SPDRBK	BDFLAP	ELV-L	ELV-R	PHI-N	25.000	PHI-ML	PHI-TML	PHI-MR	THEIMR	108.000	32.200	5.000	36.000	5.600
-5.000															
-2.000															
-1.000															
1.000															
2.000															

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8100	INCHES
BREF	935.6800	INCHES
YMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0495	

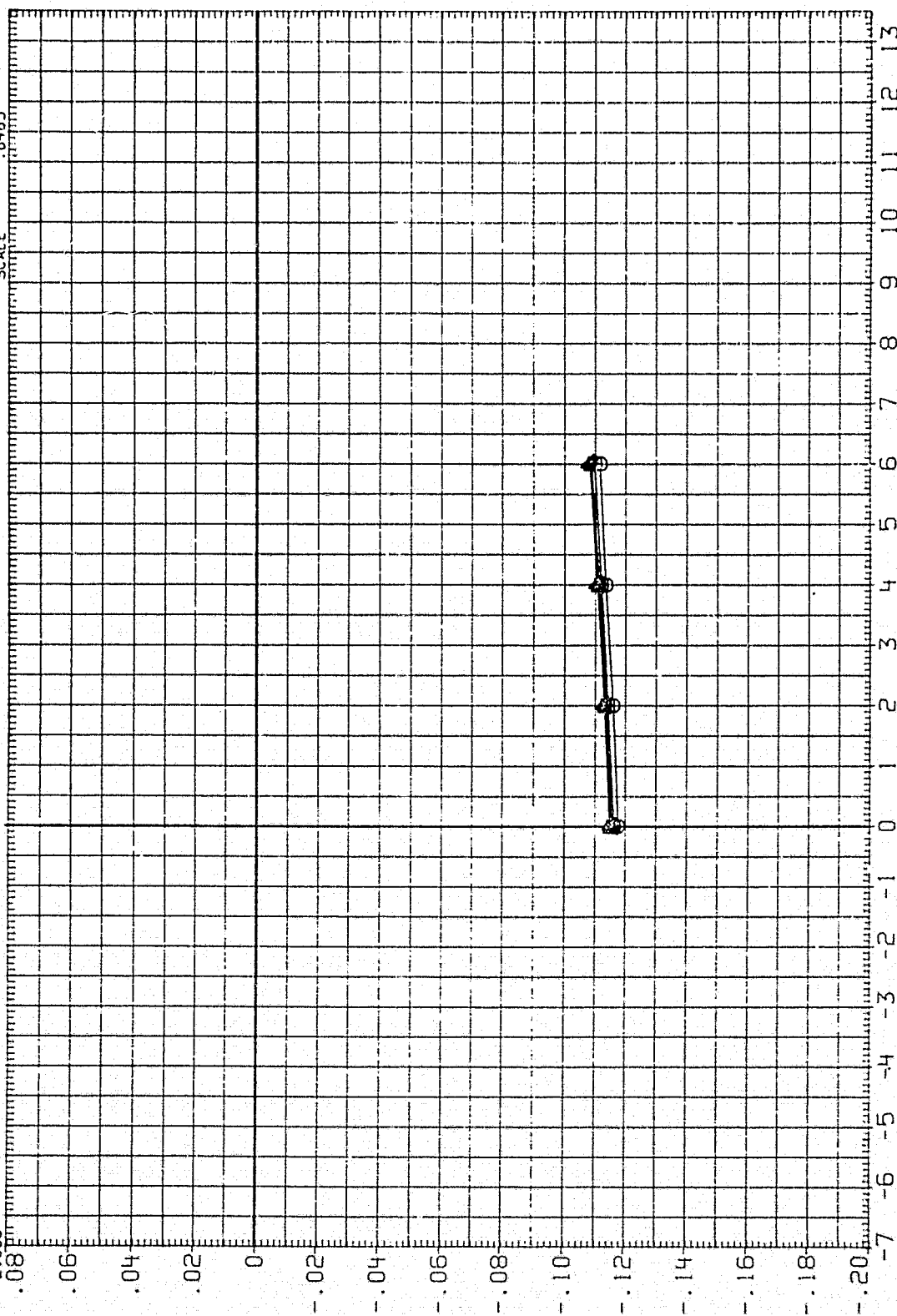


FIG 14 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/36

AFFPC09
 SYMBOL 0
 CONFIGURATION 0A1E3B B68C12620M16N28H127E5F10V8R5X911
 BETA 5.000
 SPDBRK 25.000 THE TAN 108.000
 GDFLAP .000 PHI-ML 32.200
 ELV-L .000 THE TML 5.000
 ELV-R .000 PHI-MR 36.000
 PHI-N 66.000 THE TMR 5.600

REFERENCE INFORMATION
 SPEF 2690.0000 SO.FT.
 LREF 474.8100 INCHES
 BREF 935.6800 INCHES
 YMRP 1076.6800 IN. XO
 YMRP .0000 IN. YO
 ZMRP 375.0000 IN. ZO
 SCALE .0405

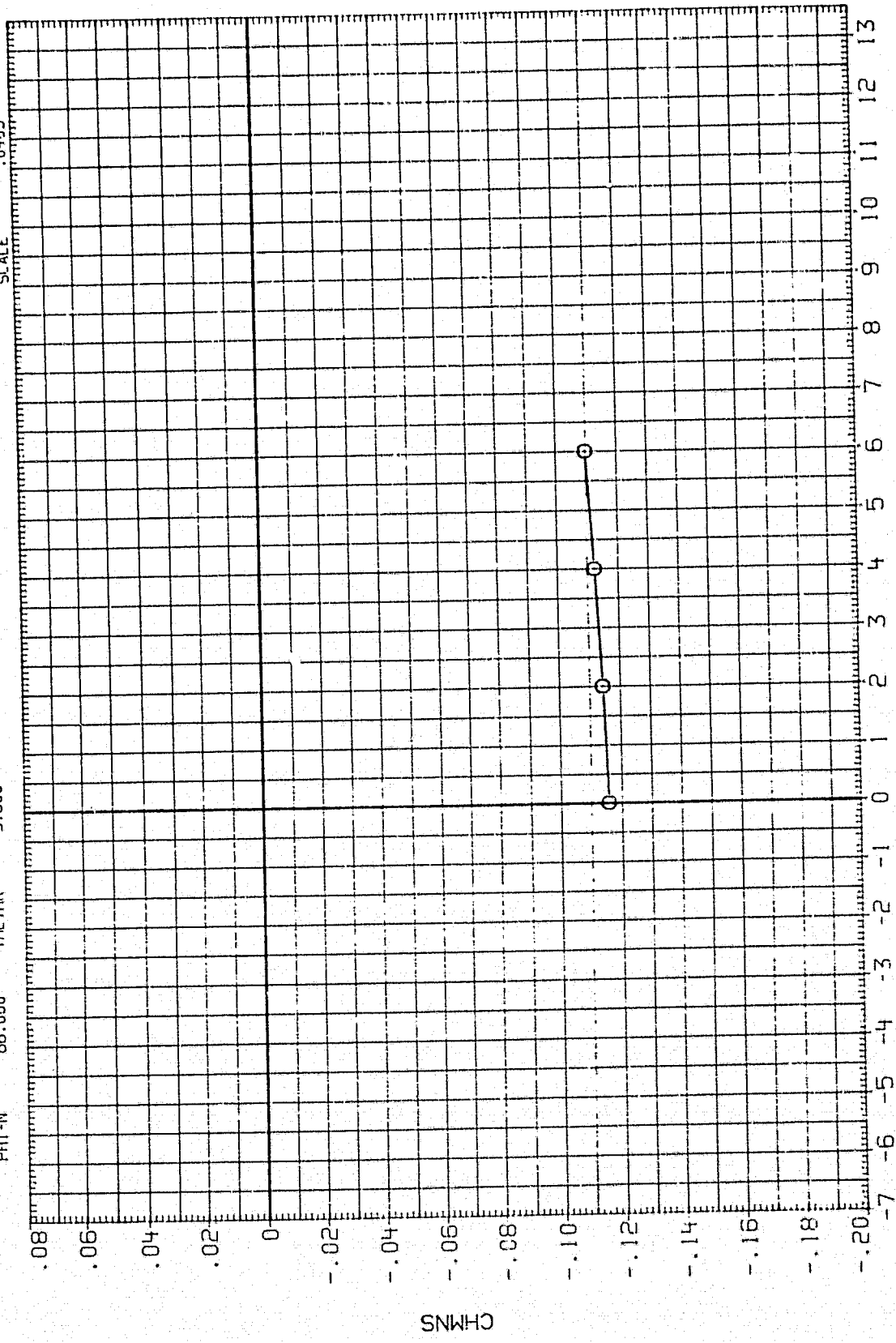


FIG 14 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/36

AFPH09 CONFIGURATION 0A163B B68C12620M16N28M127E5F10VBR5X911
 SYMBOL BETA
 SPDBRK 25.000 THE TAN 108.000
 BOTLAP .000 PHI-ML 32.200
 ELV-L .000 THE TML 5.000
 ELV-R .000 PHI-MR 36.000
 PHI-N 66.000 THE TMR 5.600
 2.000
 .020
 .015
 .010
 .005
 0
 -.005
 -.010
 -.015
 -.020
 -.025
 -.030
 -.035
 -.040
 -.045
 -.050

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8100 INCHES
 BREF 936.6800 INCHES
 YMRP 1076.5800 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0405

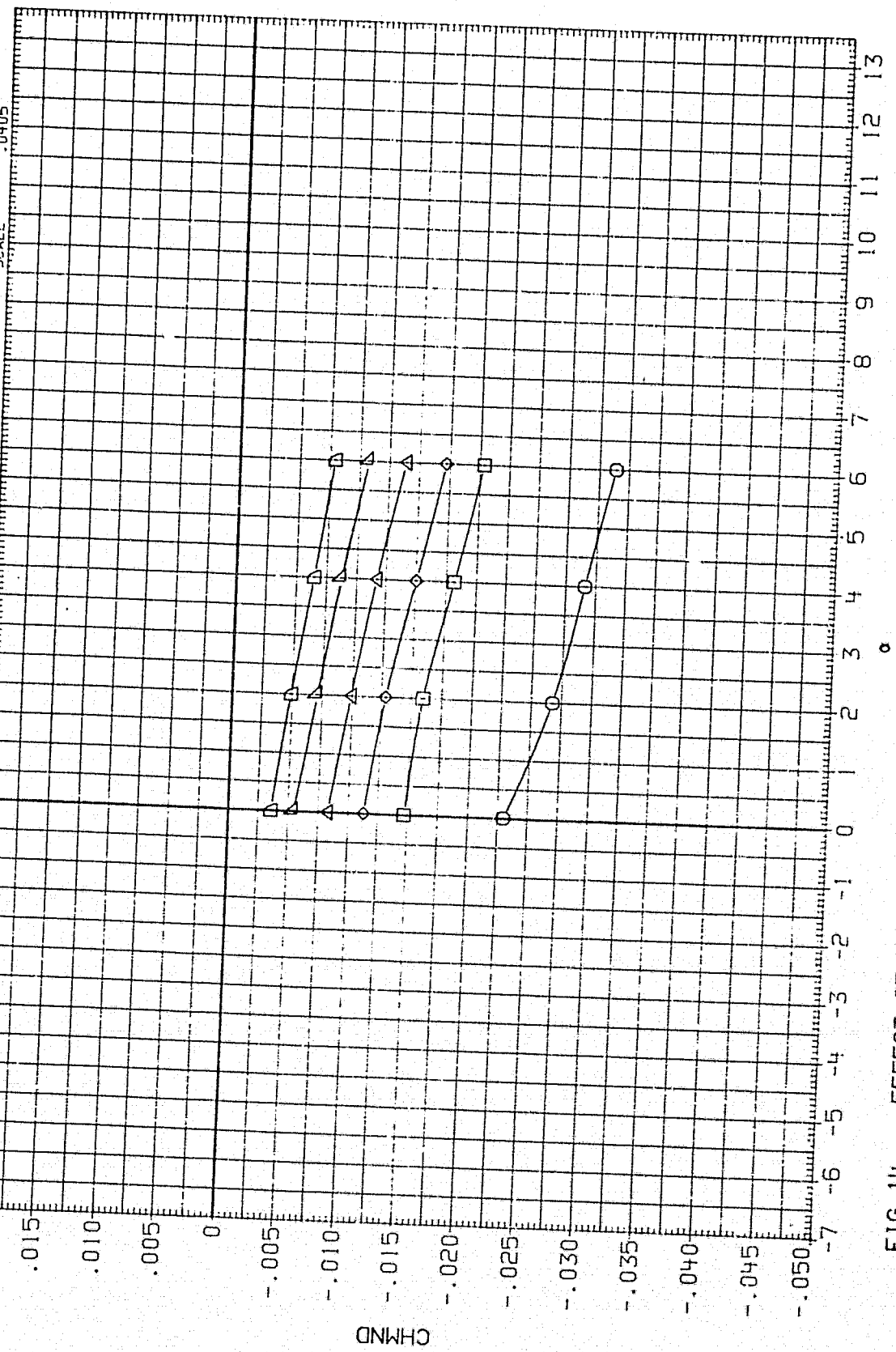


FIG 14 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/36

AFPH09
 SYMBOL O
 CONFIGURATION 0A163B B68C12620M16N28W127E5F10V8R5X911
 BETA 5.000
 SPDBRK 25.000 THETAN 108.000
 BDFLAP .000 PHI-M 32.200
 ELV-L .000 THE-TML 5.000
 ELV-R .000 PHI-MR 36.000
 PHI-N 66.000 THE-TMR 5.600

REFERENCE INFORMATION
 SPREF 2690.0000 SQ.FT.
 LPEF 474.8100 INCHES
 BPEF 936.6800 INCHES
 XMRP 1076.6800 IN. XO
 YMRP .0000 IN. YO
 ZMRP 375.0000 IN. ZO
 SCALE .0405

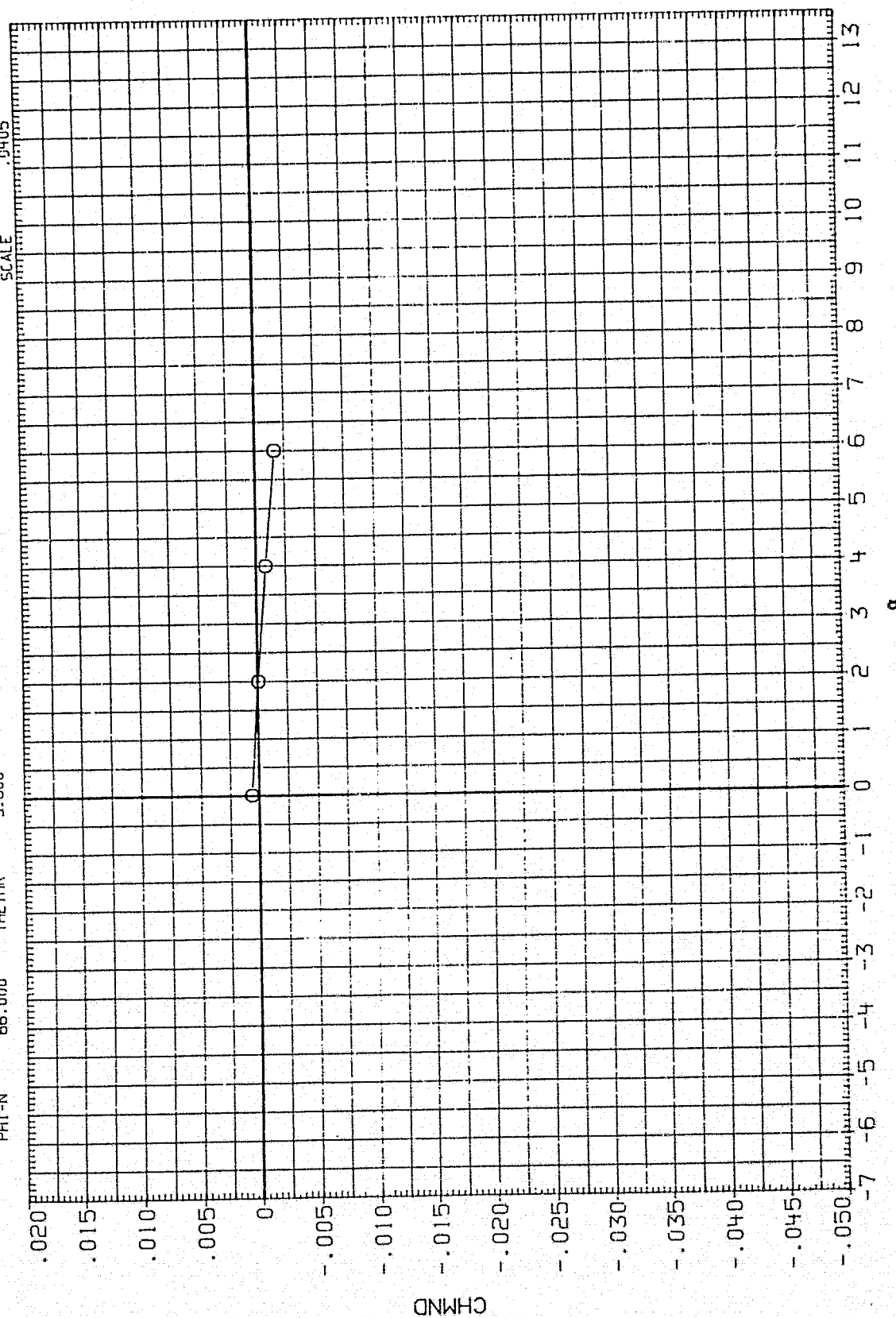


FIG 14 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/36

REFERENCE INFORMATION

SREF	2690.0000	52.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
YREF	1076.6800	IN. XO
YAPP	.0000	IN. YO
ZAPP	375.0000	IN. ZO
SCALE	.0405	

AFPH09
SYMBOL

SPDBRK	25.000	THE TAN	108.000
BOTLAP	.000	PHI - ML	32.200
ELV-L	.000	THE TML	5.000
ELV-R	.000	PHI - MR	35.000
PHI-N	65.000	THE TMR	5.600
BETA	2.000		

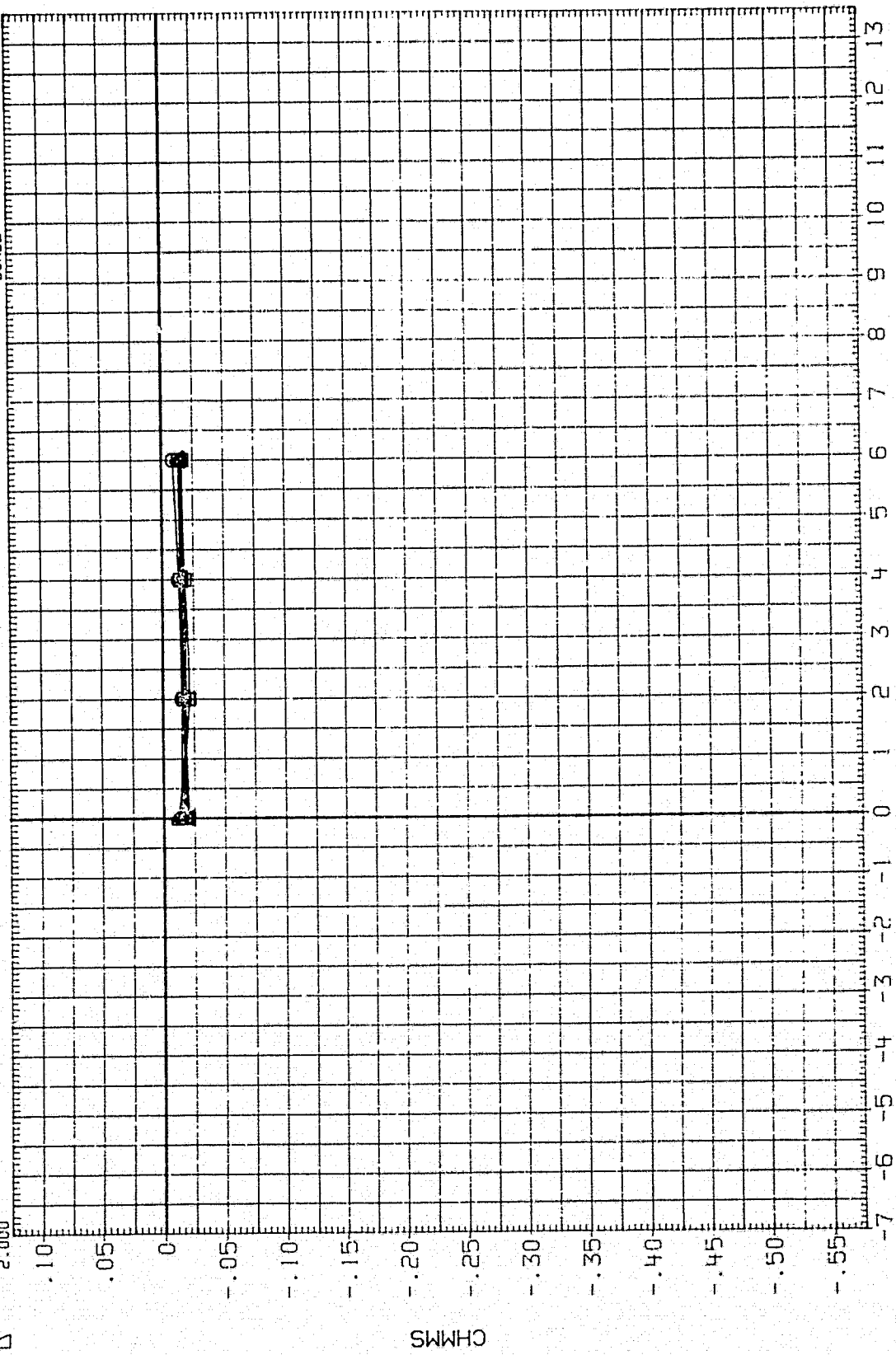


FIG 14 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/36

AFPH09
 SYMBOL O
 CONFIGURATION 0A163B B68C12G20H16N28W127E5F10V8R5X911
 BETA 5.000
 SPOBRK 25.000 THCTAN 109.000
 BDFLAP .000 PHI-ML 32.200
 ELV-L .000 THCTML 5.000
 ELV-R .000 PHI-MR 36.000
 PHI-N 66.000 THCTMR 5.600

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8100 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.6800 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALF .0405

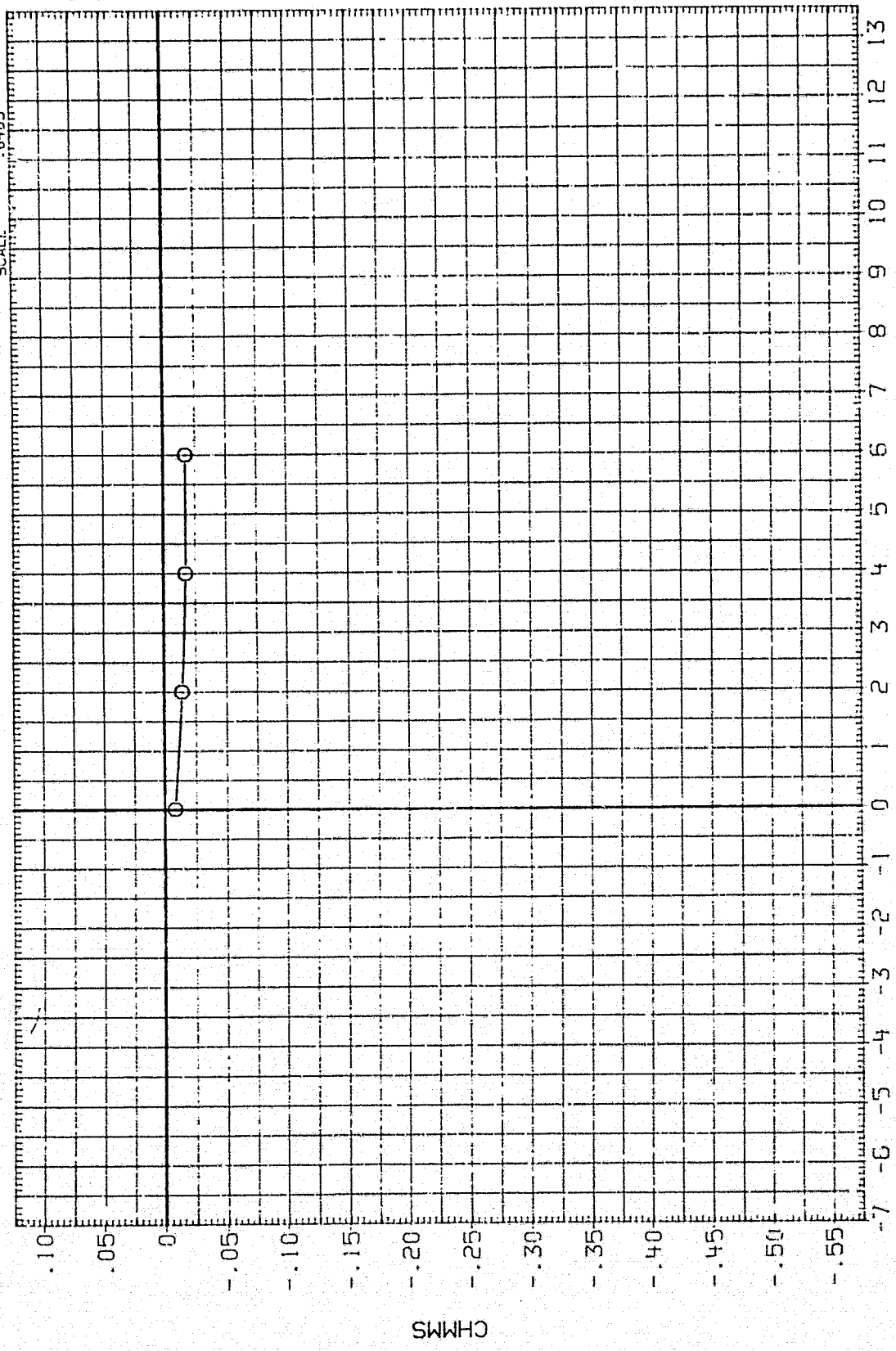


FIG 14 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/36

AFPH09
SYMBOL

□ ◇ △ ▽

CONFIGURATION 0A153B B68C12G20N16N28N127E5F10V8R5X9:11

PAPAELECTRIC VALUES

BETA	SFDBRK	BOFLAP	ELV-L	ELV-R	PHI-N	THE TAN	PHI-ML	THE TAN	PHI-MR	THE TAN
-5.000						108.000				
-2.000						32.200				
-1.000						5.000				
1.000						36.000				
2.000						5.600				

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0

SCALE .0495

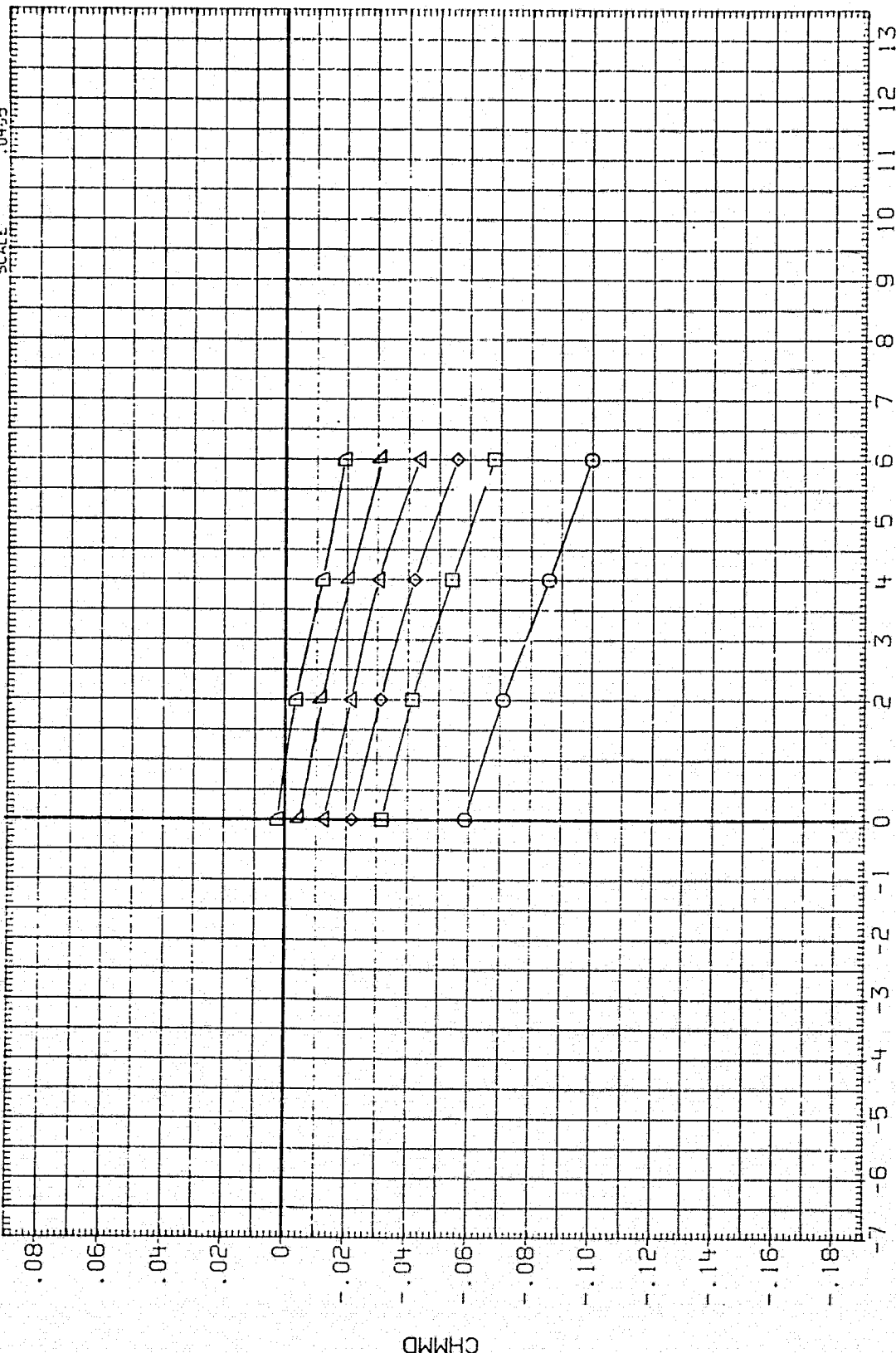


FIG 14 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/36

ACPH09
 SYMBOL O
 CONFIGURATION 0A163B B68C12G20M16N28A127E5F10V9R5X911
 BETA 5.000
 SPDRBK 25.000
 SOFLAP .000
 ELV-L .000
 ELV-R .000
 PHI-N 66.000
 THCTAN 108.000
 PHI-NL 32.200
 TIME INL 5.000
 PHI-MR 36.000
 TIME MR 5.600

REFERENCE INFORMATION
 SREF 2690.0000 50. FT.
 LREF 474.8100 INCHES
 BREF 936.6990 INCHES
 XMRP 1076.6990 IN. XO
 YMRP .0000 IN. YO
 ZMRP 375.0000 IN. ZO
 SCALE .0405

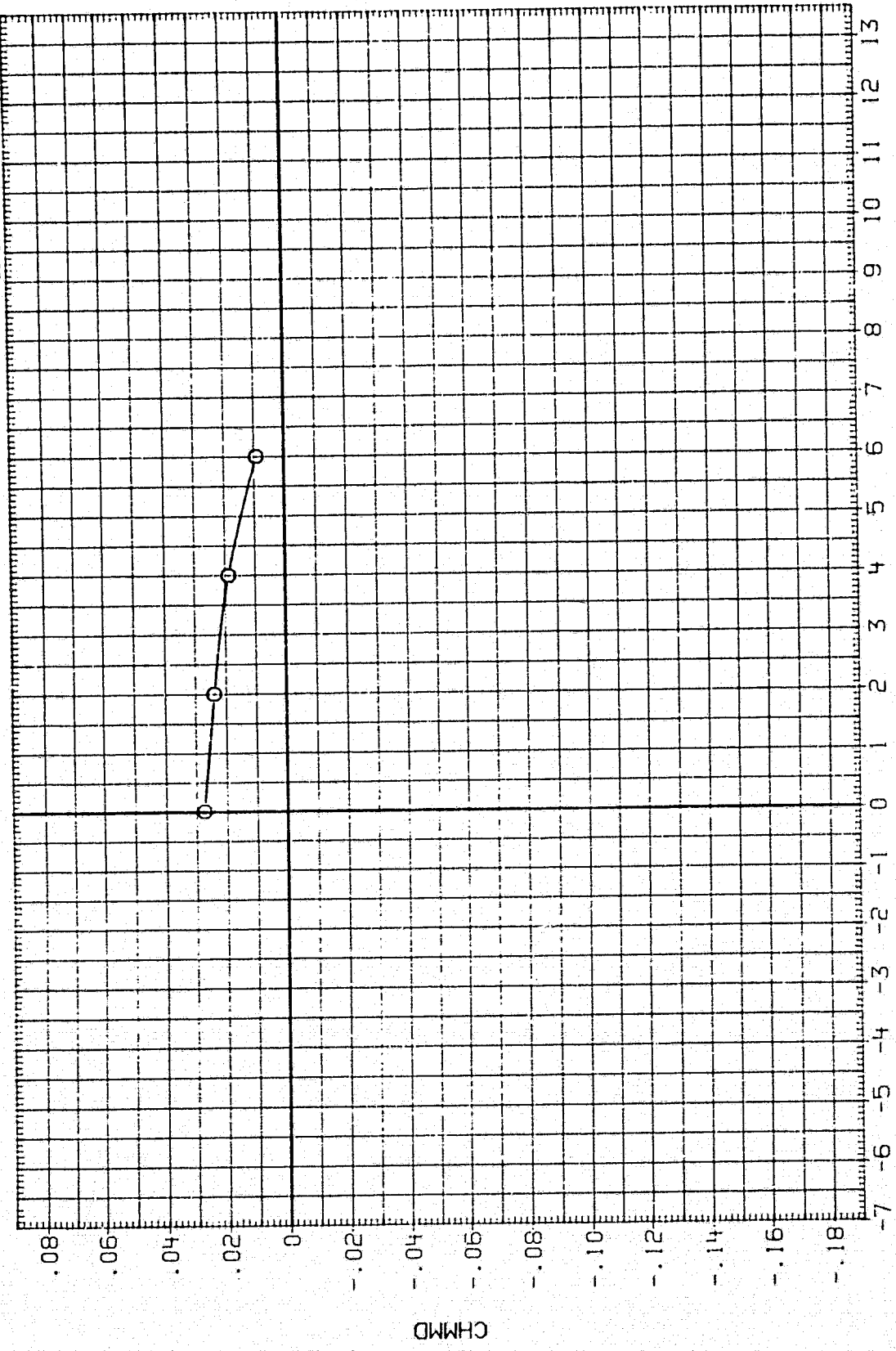


FIG 14 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/36

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8100	INCHES
BREF	976.6800	INCHES
XMPP	1076.5800	IN. XO
YMPP	.0000	IN. YO
ZMPP	375.0000	IN. ZO
SCALE	.0405	

CONFIGURATION DA163B B6RC12G20H16N28H127E5F10VBREX911

PARAMETRIC VALUES	
BETA	108.000
SPDRK	32.200
BOFLAP	5.000
ELV-L	26.000
ELV-R	4.000
PHI-N	
THE TAN	
PHI-ML	
THE TML	
PHI MR	
THE TMR	

AFPH10
SYMBOL

□ ◇ △ ▽

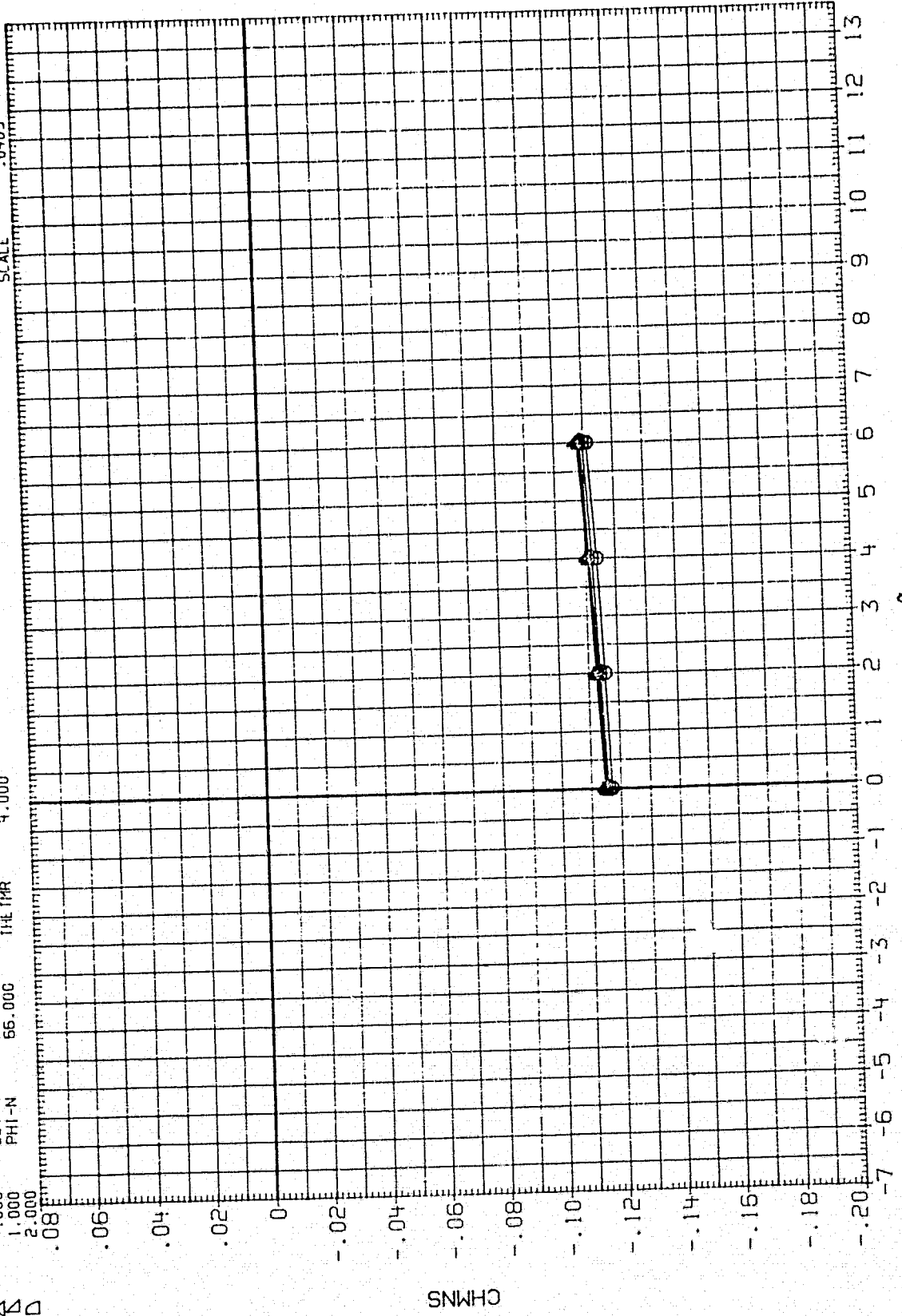


FIG 15 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMENTS, PHI-M = 32.2/26

AFPH10
SYMBOL
O

CONFIGURATION 0A163B B68C12G20M16N26H127E5F10V8R5X911

BETA 5.000

PARAMETRIC VALUES

SPDRK	SDCLAP	ELV-L	ELV-R	PHI-N	THETAN	PHI ML	THE INL	PHI-MR	THE IMR
25.000	.500	.000	.000	66.000	108.000	32.200	5.000	26.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8100	INCHES
BREF	935.6800	INCHES
YMPP	1076.6800	IN. YO
YMPP	.0000	IN. YO
ZMPP	375.0000	IN. YO
SCALE	.0405	

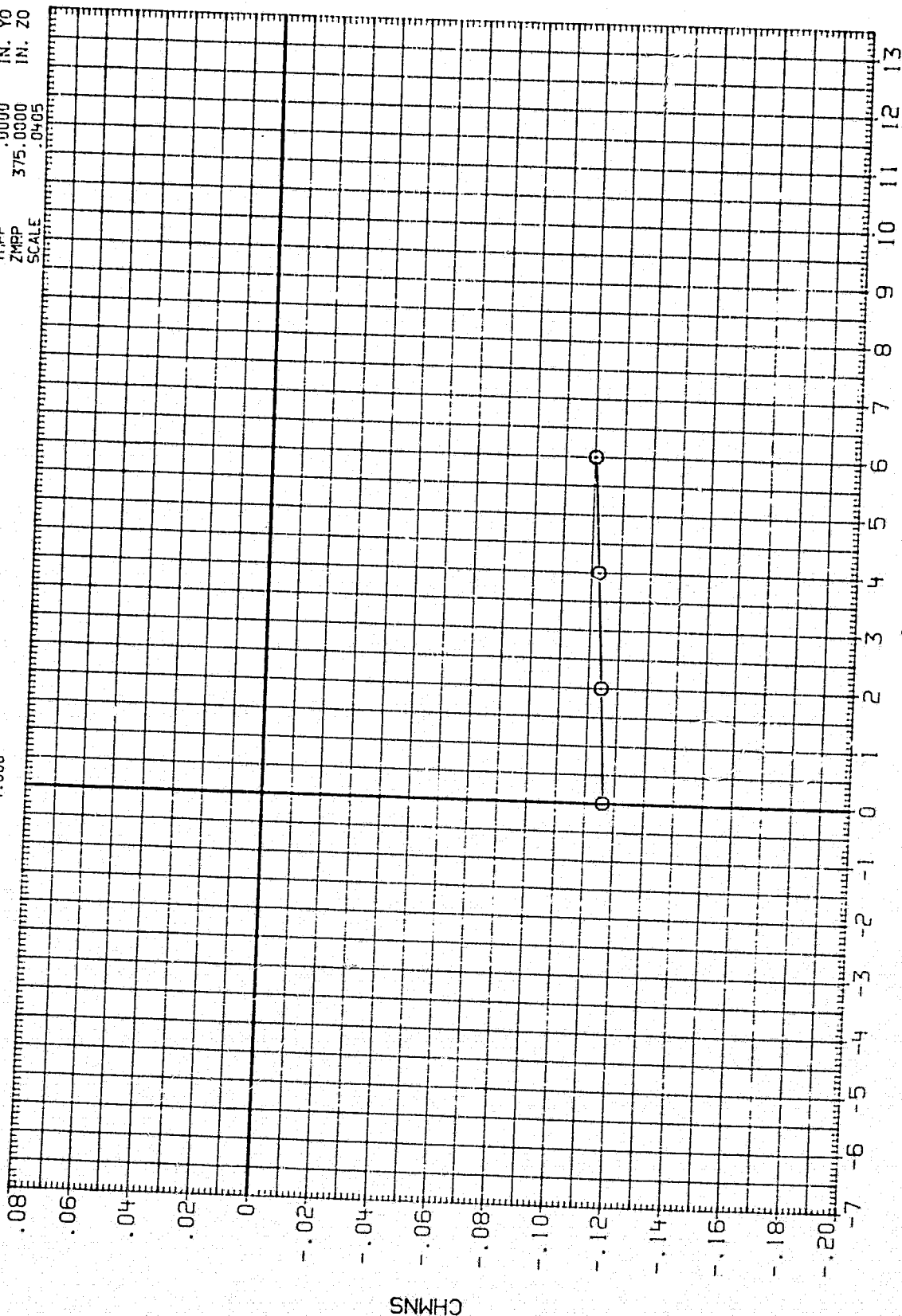


FIG 15 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/26

AFPHID	CONFIGURATION	0A153B	B58C12020M16N28M127E5F10V8R5X911
SYMBOL	BETA	SPOBRK	PARAMETRIC VALUES
□	-5.000	BDTAP	THE TAN
◇	-2.000	ELV-L	PHI-M
△	-1.000	ELV-R	THE TML
▽	.000	PHI-N	PHI-MR
	2.000		THE TMR
			66.000
			4.000

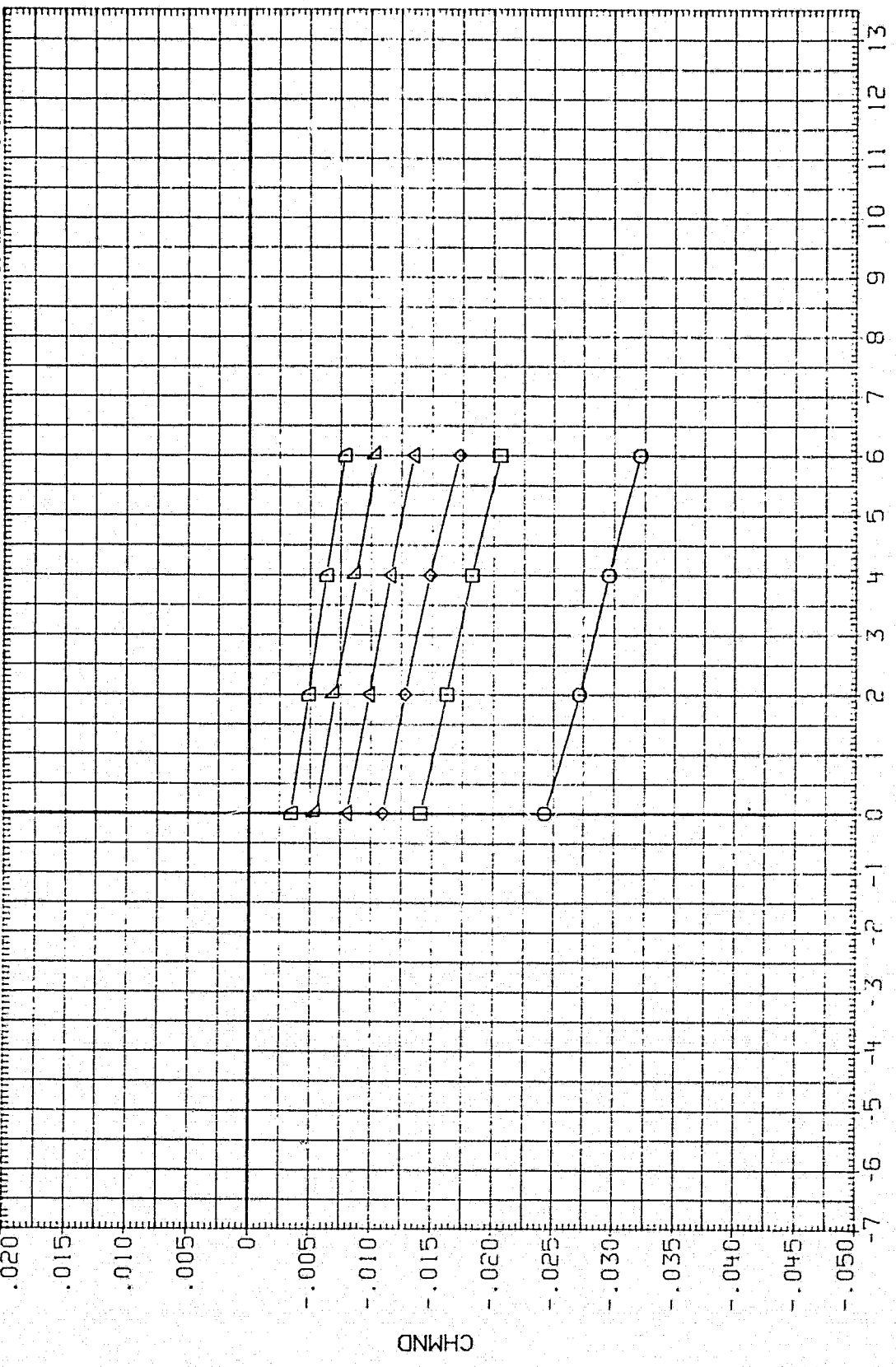


FIG 15 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/26

AFPH10
 SYMBOL O
 CONFIGURATION 0A163B B66C12020M16N28W127E5F10V8R5X911
 BETA 5.000
 SPDBRK 25.000
 BDFLAP 108.000
 ELV-L 32.200
 ELV-R 5.000
 PHI-N 26.000
 PHI-M 4.000
 PHI-TMR 4.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8100 INCHES
 BREF 936.6800 INCHES
 YMRP 1976.6800 IN. X0
 ZMRP .3000 IN. Y0
 ZMRP 375.0003 IN. Z0
 SCALE .0405

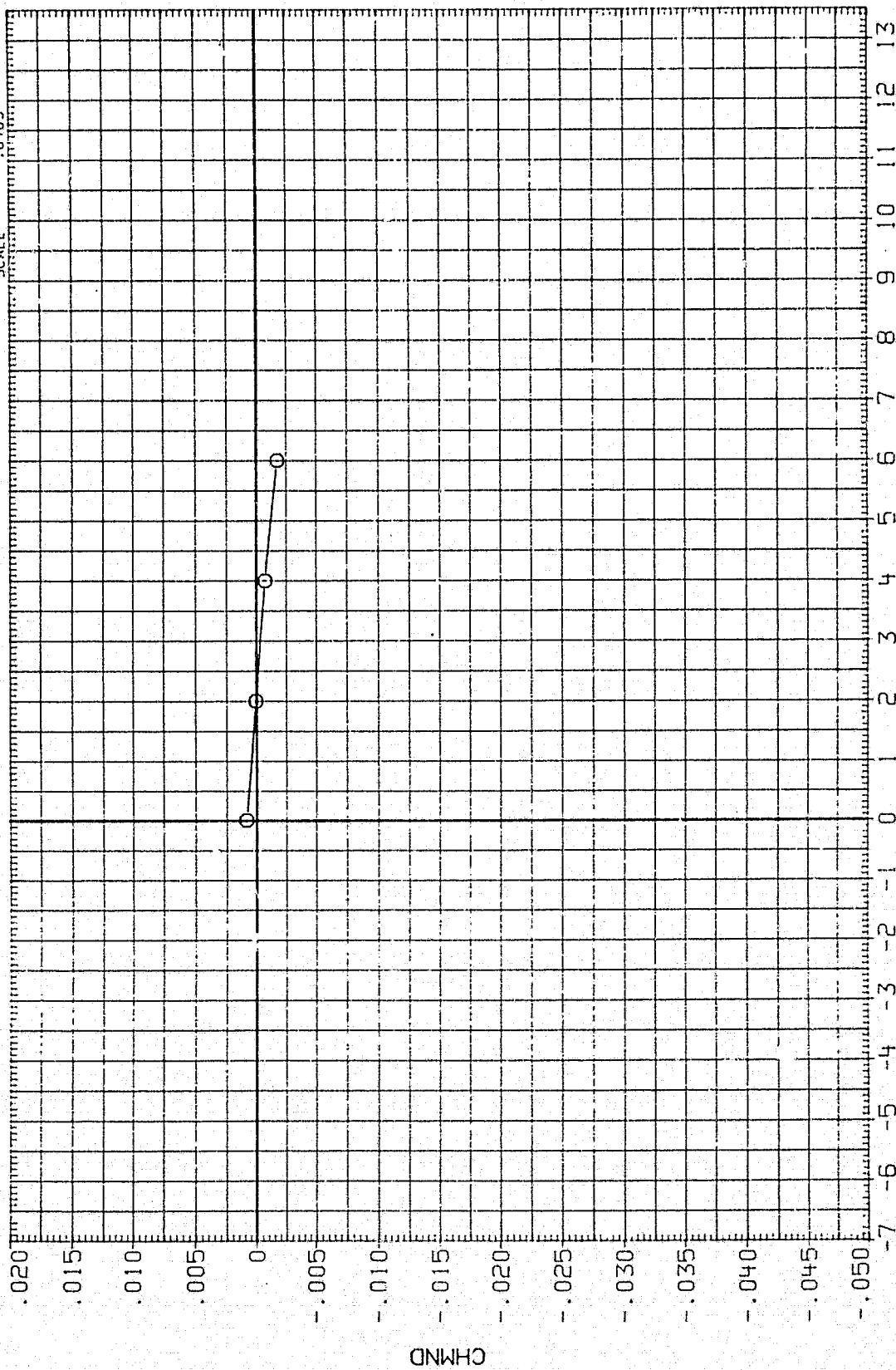


FIG 15 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/26

AFPH10
 SYMBOL ☐ ☐ ☐ ☐

CONFIGURATION OA153B D68C12620M15N28M127E5F10V8P5X911
 BETA
 -5.000
 -2.000
 -1.000
 1.000
 2.000

SPDBRK
 BOFLAP
 ELV-L
 ELV-R
 PHI-N

PARAMETRIC VALUES
 25.000
 .000
 .000
 .000
 66.000

THETAN
 PHI-NIL
 THE IML
 PHI MR
 THE IMR

108.000
 32.200
 5.000
 26.000
 4.000

REFERENCE INFORMATION
 SREF 2690.0000 SO.FT.
 LREF 474.8100 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.6800 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0405

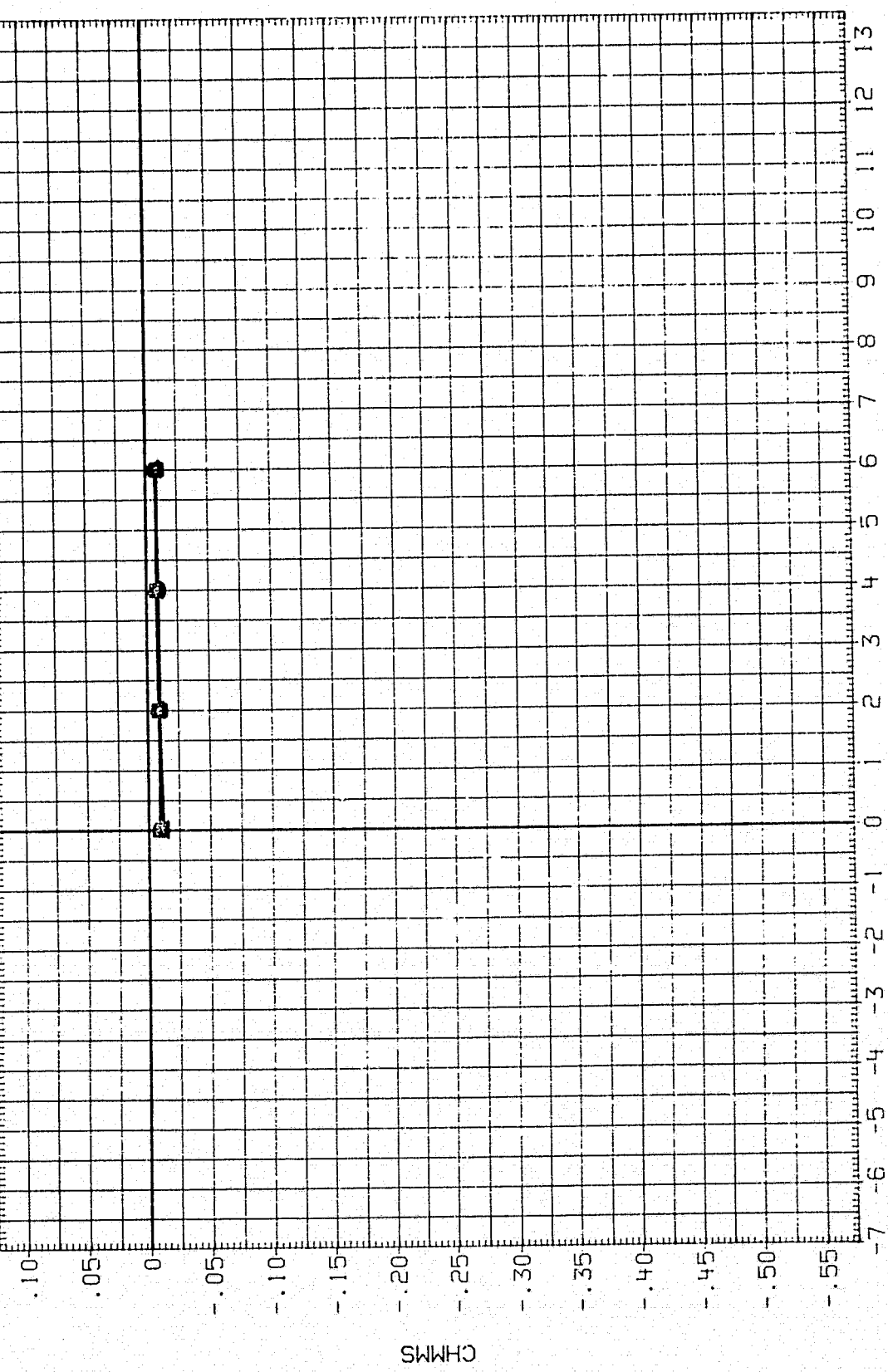


FIG 15 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/26
 PAGE 383

AFPH10
SYMBOL
O

CONFIGURATION CA1538 EBJAC12620M16N26N127E5F10VBR5X911

PARAMETRIC VALUES	
BETA	5.000
SPOBRK	25.000
BDFLAP	.000
ELV-L	.000
ELV-R	.000
PHI-N	66.000
THE TAN	108.000
PHI-ML	32.200
THE ML	5.000
PHI MR	26.000
THE MR	4.000

REFERENCE INFORMATION

SPEF	2630.0000	50.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0495	

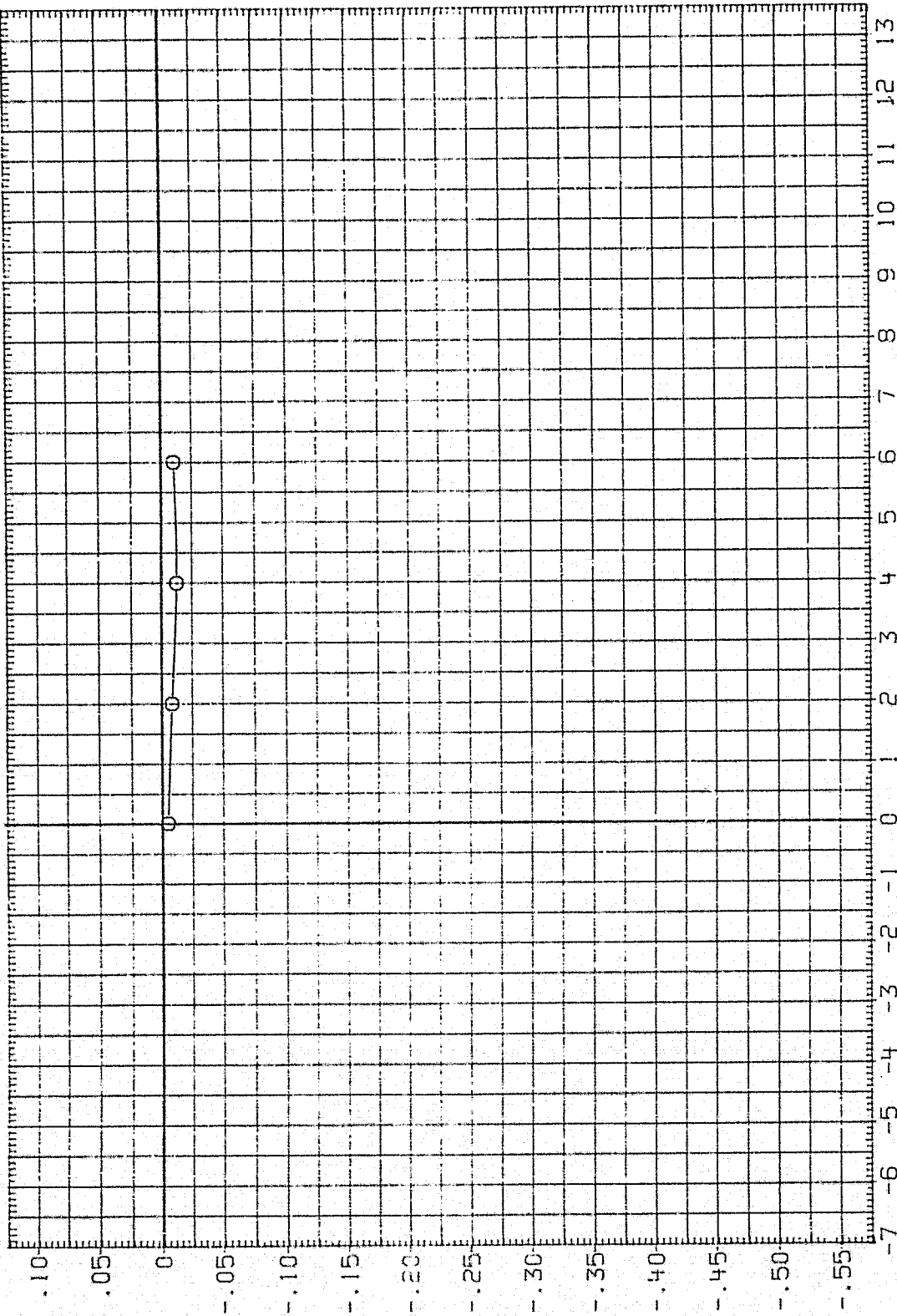


FIG 15 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/26

AFPH10
SYMBOL

CONFIGURATION 0A163B B68C12520M16A28W127E5F10V8R5X911

BETA

-5.000
-2.000
-1.000
1.000
2.000

PARAMETRIC VALUES

SPO3PK 25.000
BOT LAP .000
ELV-L .000
ELV-R .000
PHI-N 66.000
THC TAN 108.000
PHI-ML 32.200
THC TML 5.000
PHI-MR 26.000
THC TMR 4.000

REFERENCE INFORMATION

SREF 2590.0000 SQ.FT.
LREF 474.8100 INCHES
BREF 936.6800 INCHES
XMRP 1076.6800 IN. X0
YMRP .0900 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE 0405

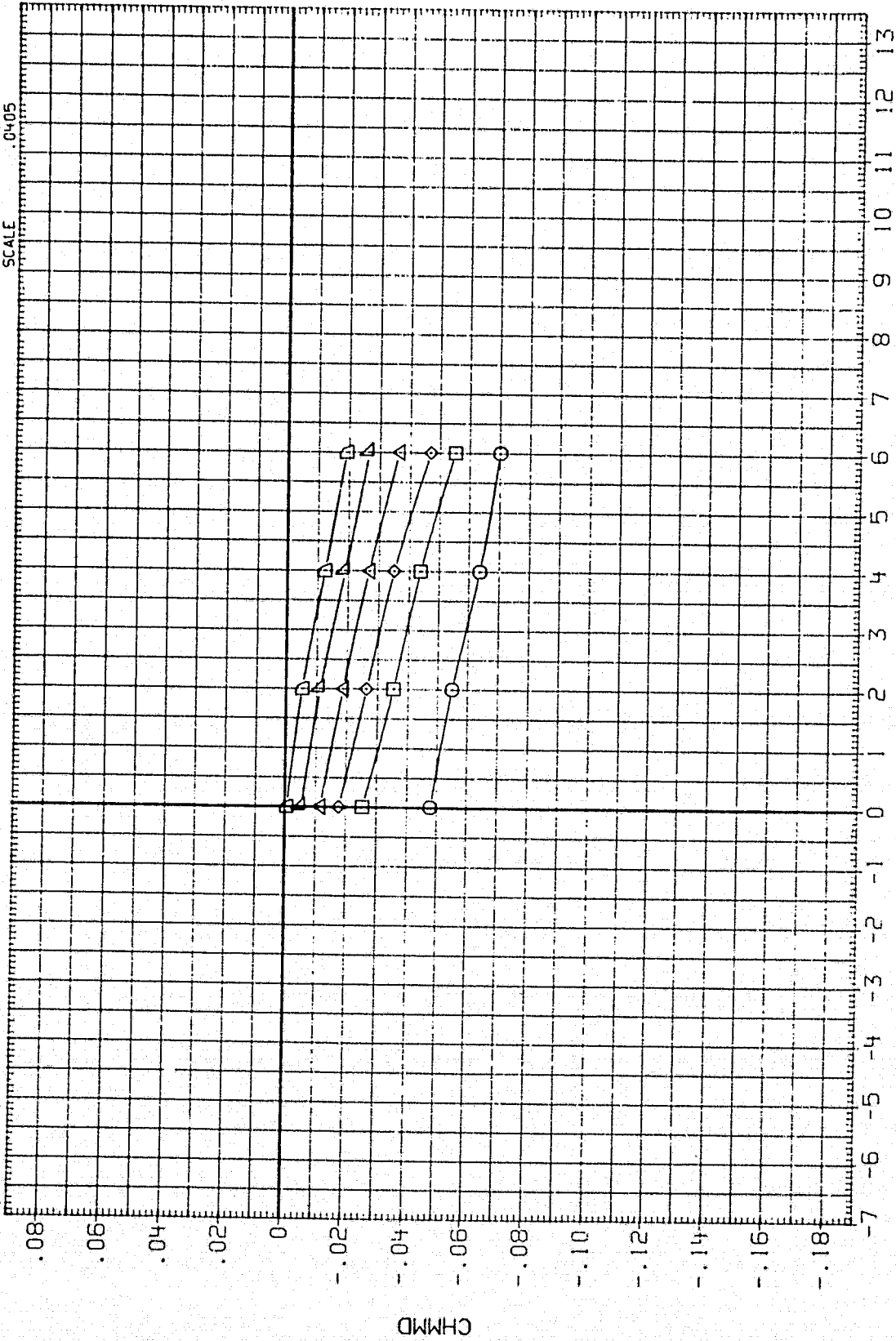


FIG 15 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/26

AFPH10
SYMBOL 0

CONFIGURATION 0A163B B6BC12G20M16N2B4127E5F 10VBRSX911

BETA 5.000

PARAMETRIC VALUES

SPDRPK	BDY LAP	ELV-L	ELV-R	PHI-N	THETAN	PHI-M	THE TM	PHI-MR	THE TMR
25.000	.000	.000	.000	66.000	108.000	32.200	5.000	26.000	4.000

REFERENCE INFORMATION

SREF	2690.0030	SQ.FT.
LPEF	474.8100	INCHES
BREF	935.6890	INCHES
YMPP	1076.5890	IN. X0
YMPP	.0000	IN. Y0
ZMPP	375.0000	IN. Z0
SCALE	.0405	

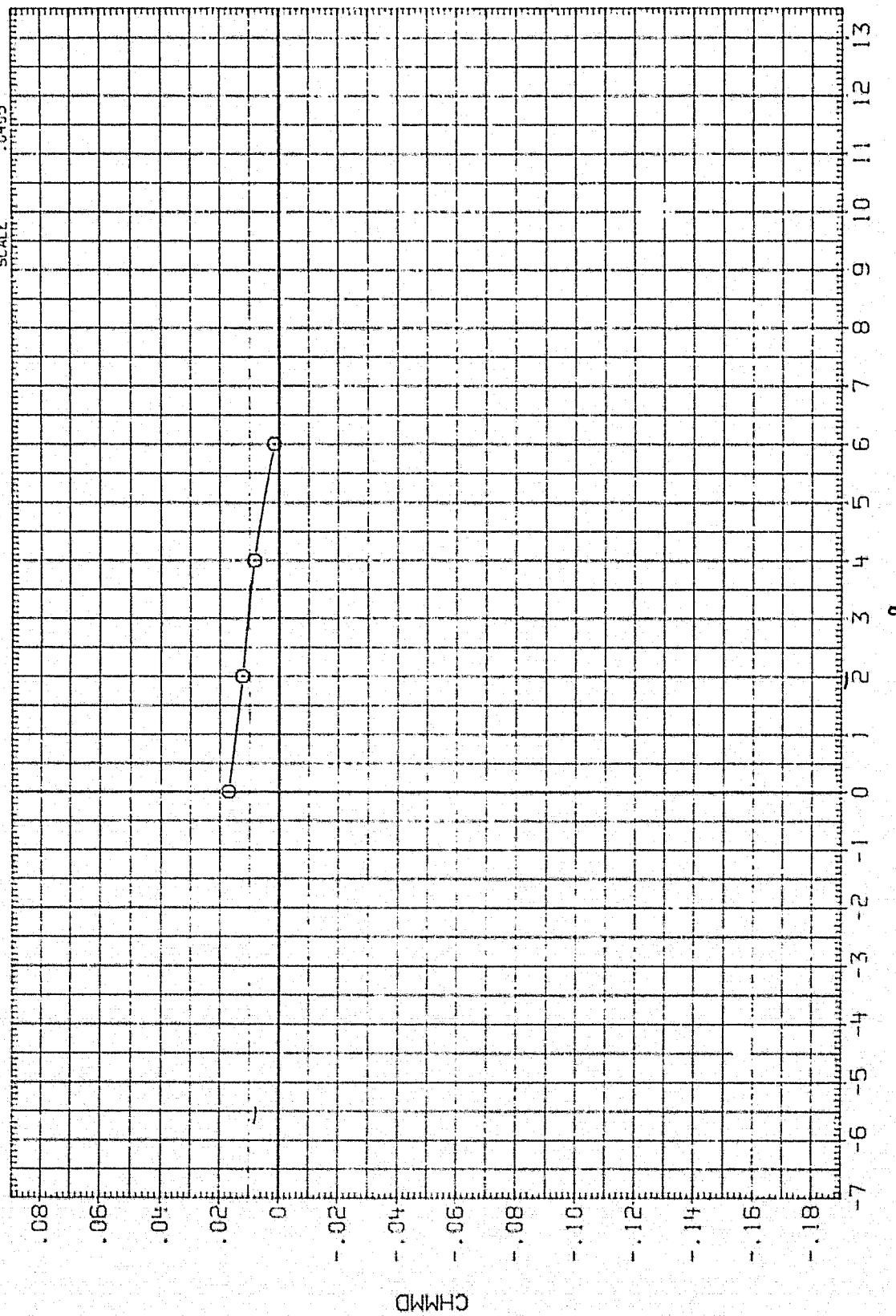


FIG 15 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 32.2/26

AFPH11
SYMBOL

CONFIGURATION	BETA	SPOBRK	PARAXIAL VALUES	THETAN	108.000
0A163B	-5.000	90FLAP	25.000	PHI-ML	88.000
B6BC12G20M1G28H127E5F10VBR5X911	-1.000	ELV-L	.000	THEIML	98.000
	.000	ELV-R	.000	PHI-MR	32.200
	1.000	PHI-N	65.000	THEIMR	5.000
	2.000				

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LPEF	474.8100 <td>INCHES</td>	INCHES
BREF	936.6800 <td>INCHES</td>	INCHES
XMPF	1076.6800 <td>IN. X0</td>	IN. X0
YMPF	.0000 <td>IN. Y0</td>	IN. Y0
ZMPF	375.0000 <td>IN. Z0</td>	IN. Z0
SCALE	.0405	

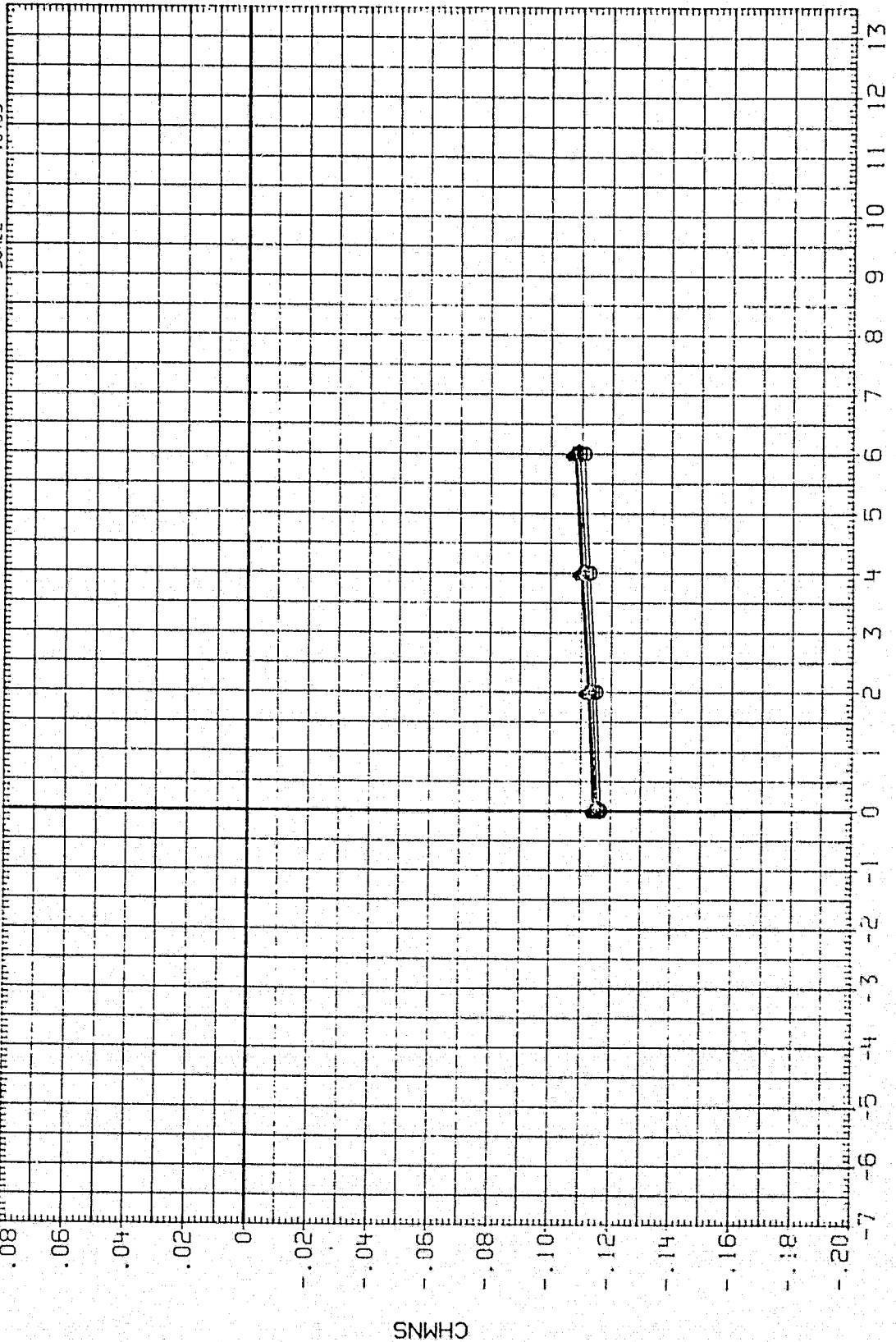


FIG 16 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 88/32.2

AFPH11
 SYMBOL 0

CONFIGURATION 0A163B B69C12G20H16I28M127E5F10Y8RSX911

BETA 5.000

PARAMETRIC VALUES	
SPOBRK	25.000
BOFLAP	.000
ELV-L	.000
ELV-R	.000
PHI-N	65.000
THETAN	108.000
PHI-ML	88.000
THE TML	98.000
PHI-MR	32.200
THE TMR	5.000

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8100	INCHES
BREF	935.6800	INCHES
YMPP	1076.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0405	

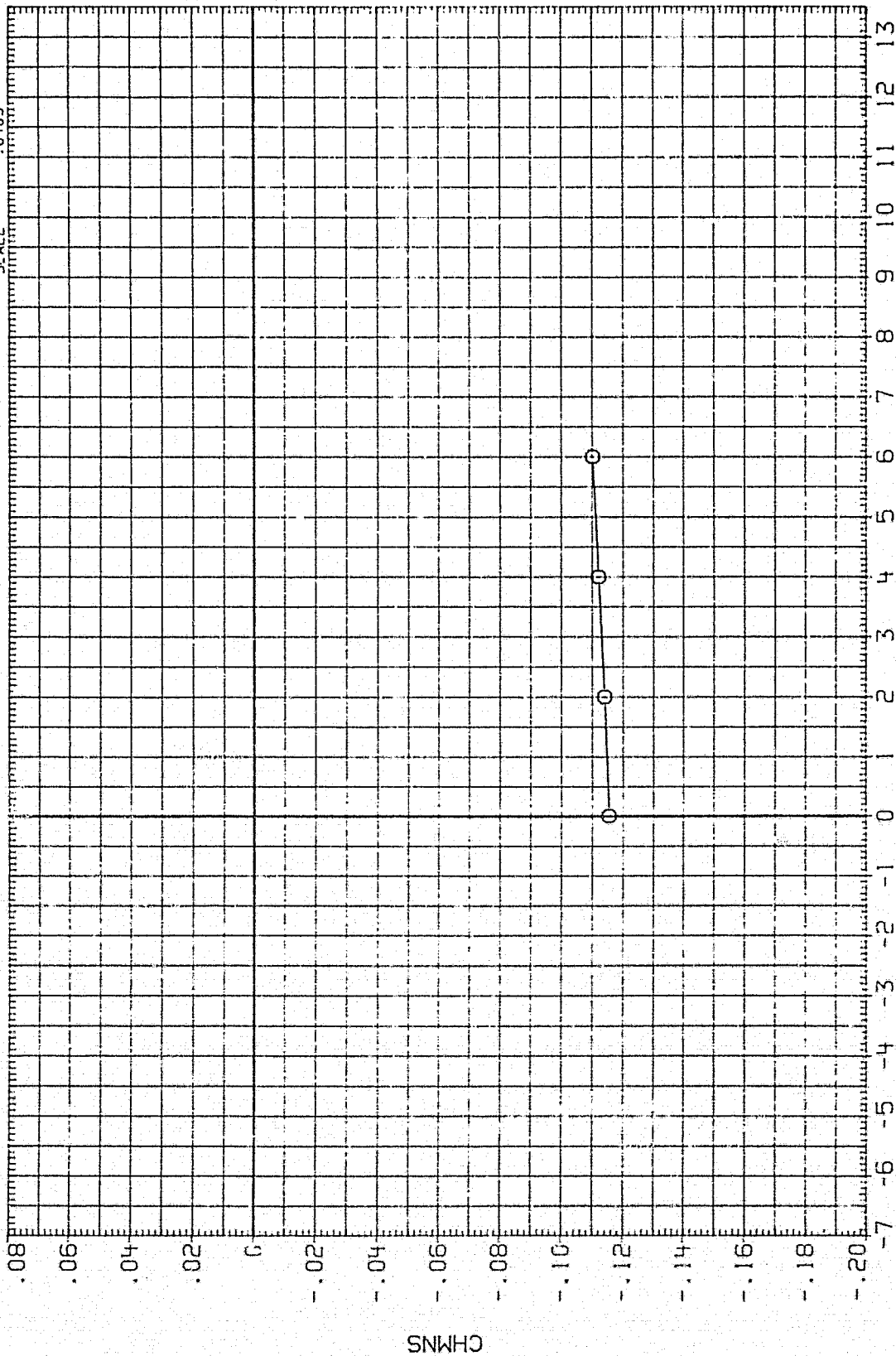


FIG 16 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 88/32.2

AFPH11 CONFIGURATION 0A163B B68C12020M1CN28H127E5F10VBR5X911

BETA		PARAMETRIC VALUES	
-5.000	SPOBRK	25.000	THETAN
-2.000	BDFLAP	.000	PHI-ML
-1.000	ELV-L	.000	THEIML
.000	ELV-R	.000	PHI-MR
1.000	PHI-N	66.000	THEIMR
2.000			

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.8800	IN. YO
XMRP	1076.6800	IN. YO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO

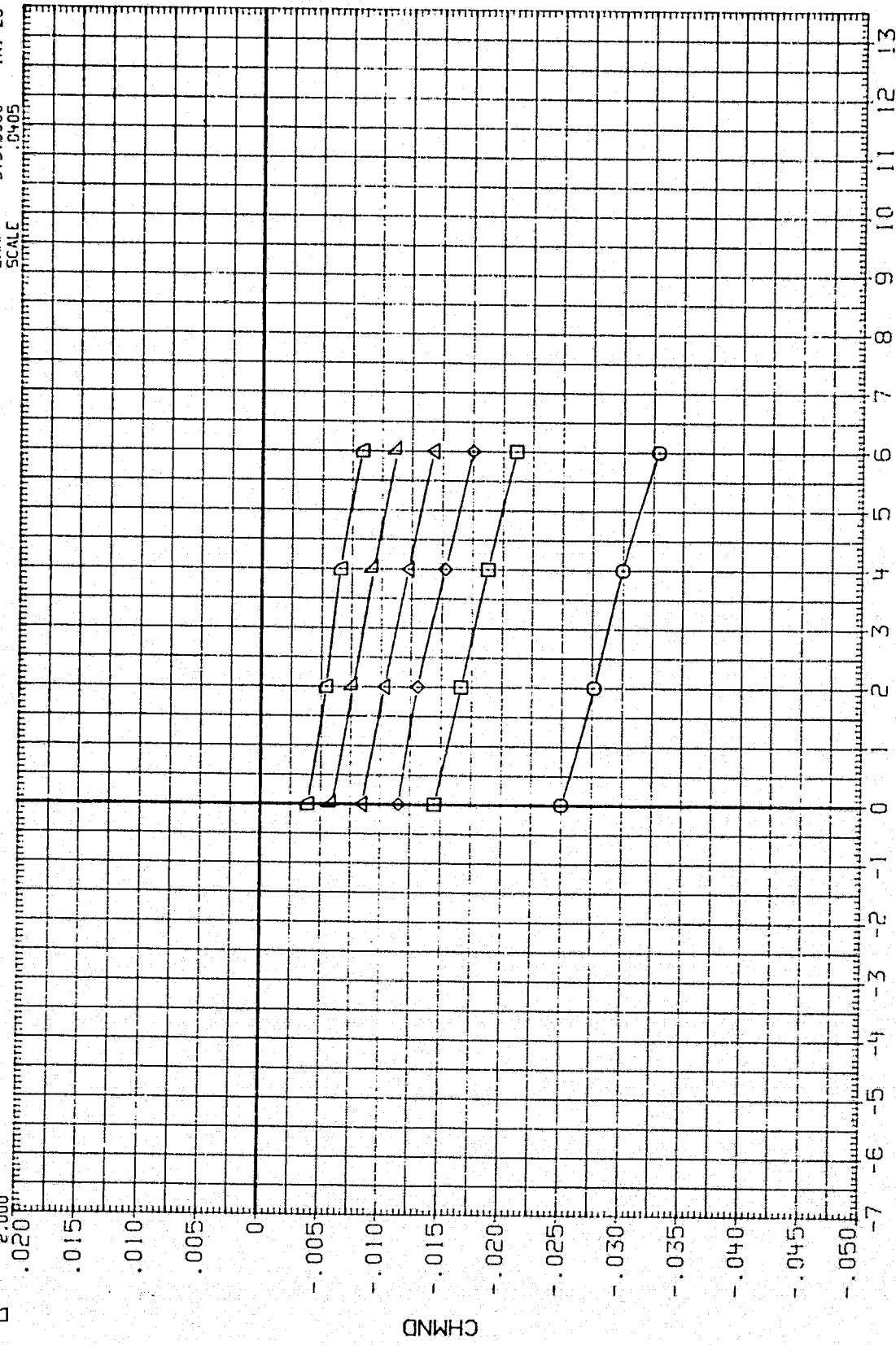


FIG 16 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 88/32.2

AFPH11
 SYMBOL O
 CONFIGURATION 0A163B
 BETA 5.000
 SPDBRK 25.000
 BOFLAP .000
 ELV-L .000
 ELV-R .000
 PHI-N 66.000
 THETAN 108.000
 PHI-ML 88.000
 THETL 98.000
 PHI-MR 32.200
 THETR 5.000

REFERENCE INFORMATION
 SREF 2690.0000 SO.FT.
 LREF 474.8100 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.6800 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0

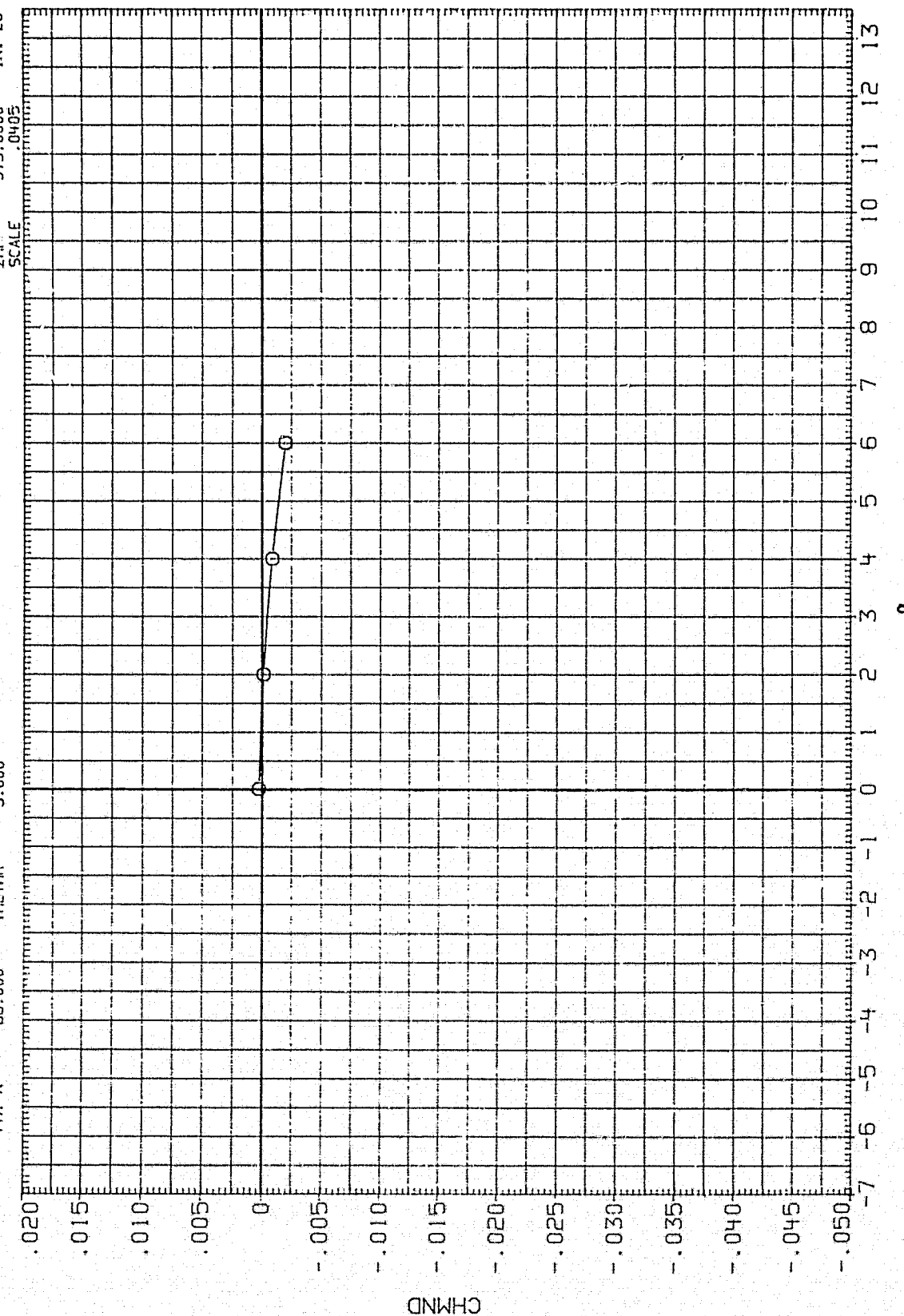


FIG 16 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, $\text{PHI-M} = 88/32.2$

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	24.05	

AFPH11 CONFIGURATION QA163B B68C12G2CM16N28M127E5F10V8R5X911

PARAMETRIC VALUES

SPDRBK	25.000	THE TAN	108.000
BDF LAP	.000	PHI - ML	88.000
ELV - L	.000	THE TML	98.000
ELV - R	.000	PHI - MR	32.200
PHI - N	65.000	THE IMR	5.000

BETA

-5.000
-2.000
-1.000
.000
1.000
2.000

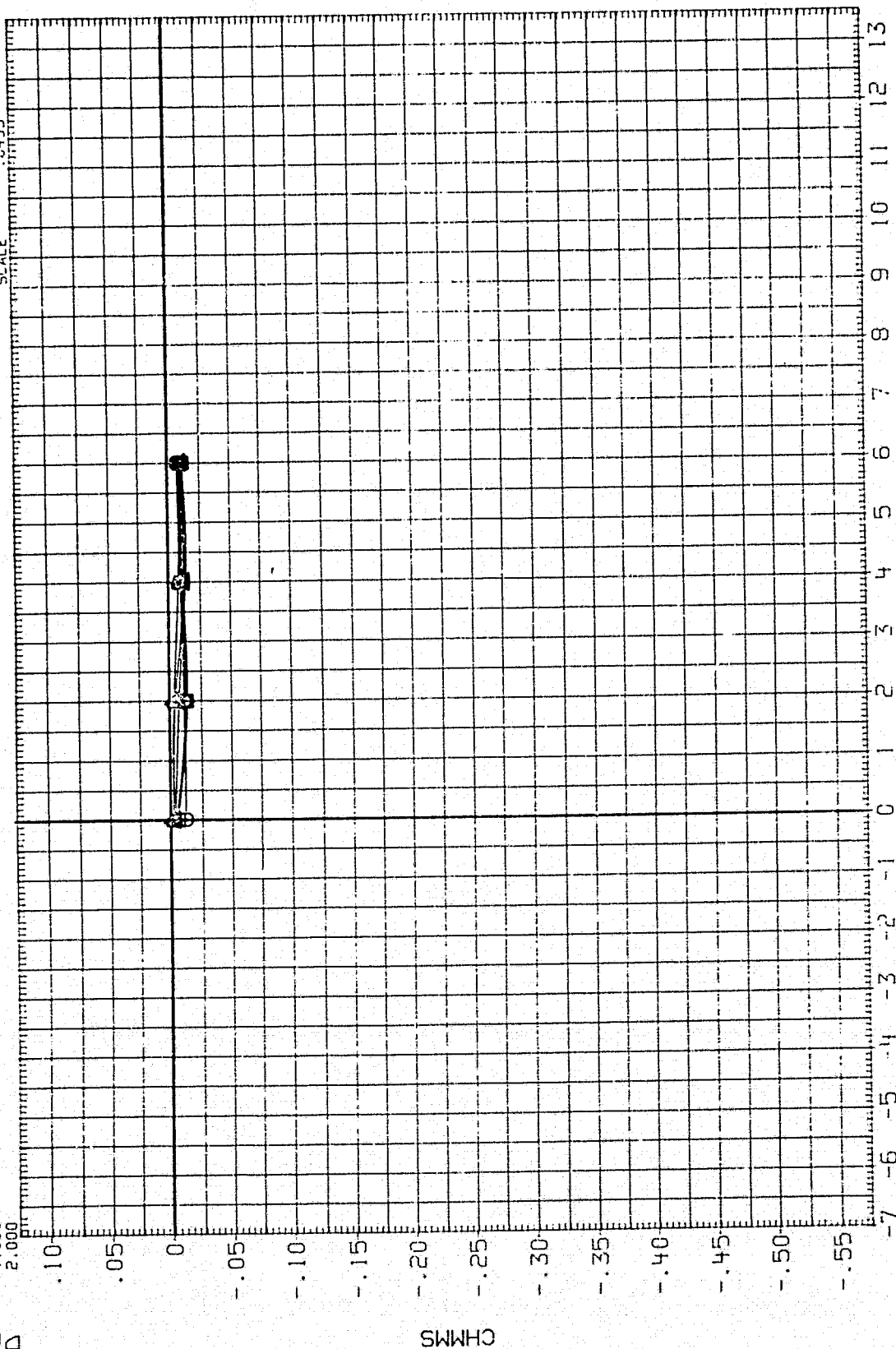


FIG 16 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 88/32.2

AFPH11 CONFIGURATION 0A153B 508C12C20M16N28M127E5F10Y8R5X911
 SYMBOL 0
 BETA 5.000
 SPORPK 25.000
 BUF LAP 88.000
 ELV-L 0.000
 ELV-R 98.000
 PHI-N 66.000
 PHI-M 32.200
 PHI-N 5.000

REFERENCE INFORMATION
 SREF 2590.0000 SQ.FT.
 LREF 474.8100 INCHES
 BREF 936.6800 INCHES
 XMPP 1076.6800 IN. X0
 YMP 375.0000 IN. Y0
 ZMP 375.0000 IN. Z0
 SCALE .0405

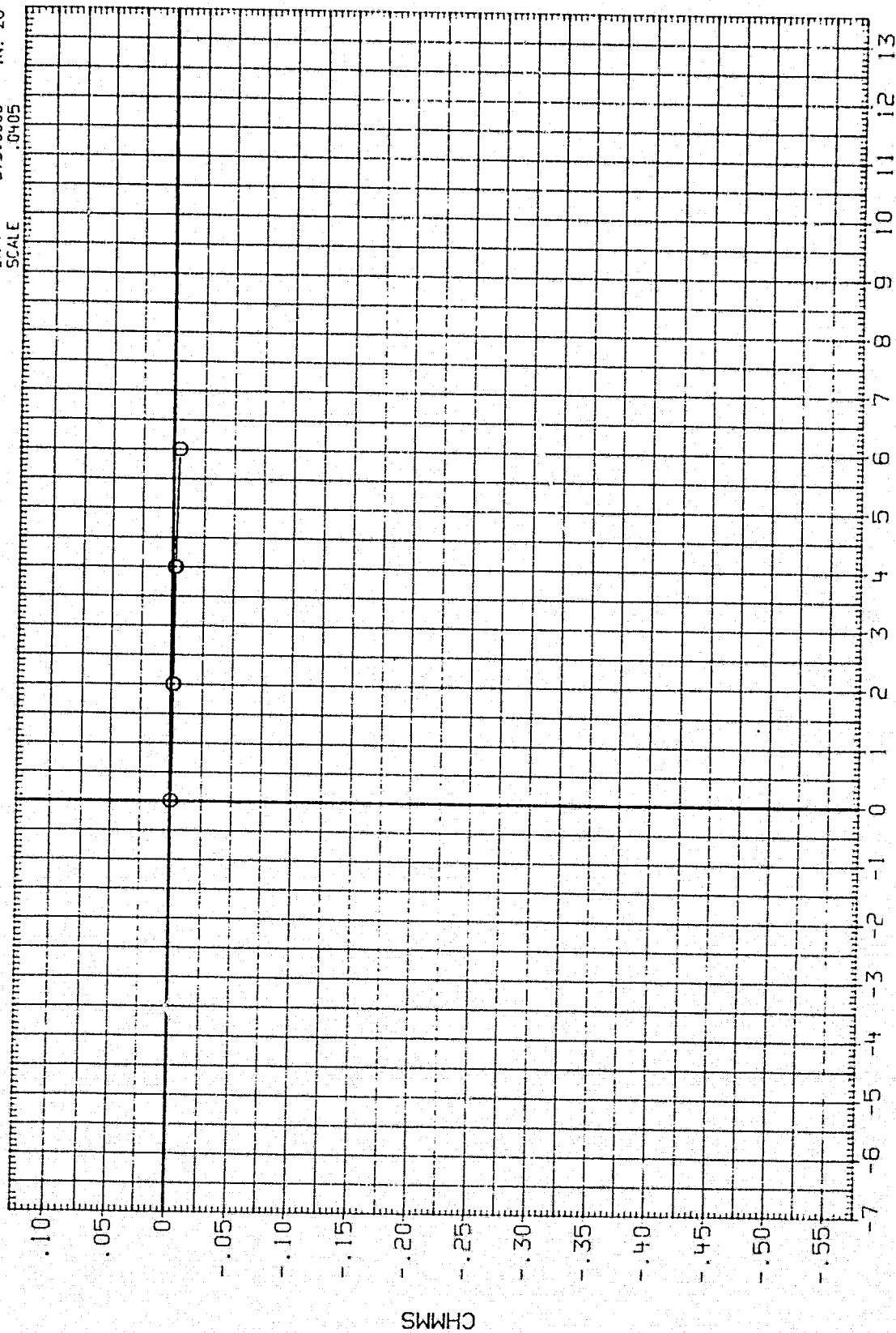


FIG 16 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 88/32.2

AFPH11
SYMBOL

□ ◇ △ ▽

CONFIGURATION 0A163B 888C12G20M16N28W127E5F10V8R5X911

PARAMETRIC VALUES

BETA	SPOBRK	BDCLAP	ELV-L	ELV-R	PHI-N	THE TAN	PHI-ML	THE TML	PHI-MR	THE IMR
-5.000	25.000	.000	.000	.000	66.000	108.000	88.000	98.000	32.200	5.000

REFERENCE INFORMATION

SPEF	2690.0030	SQ.FT.
LPEF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1976.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0360	IN. Z0
SCALE	.0405	

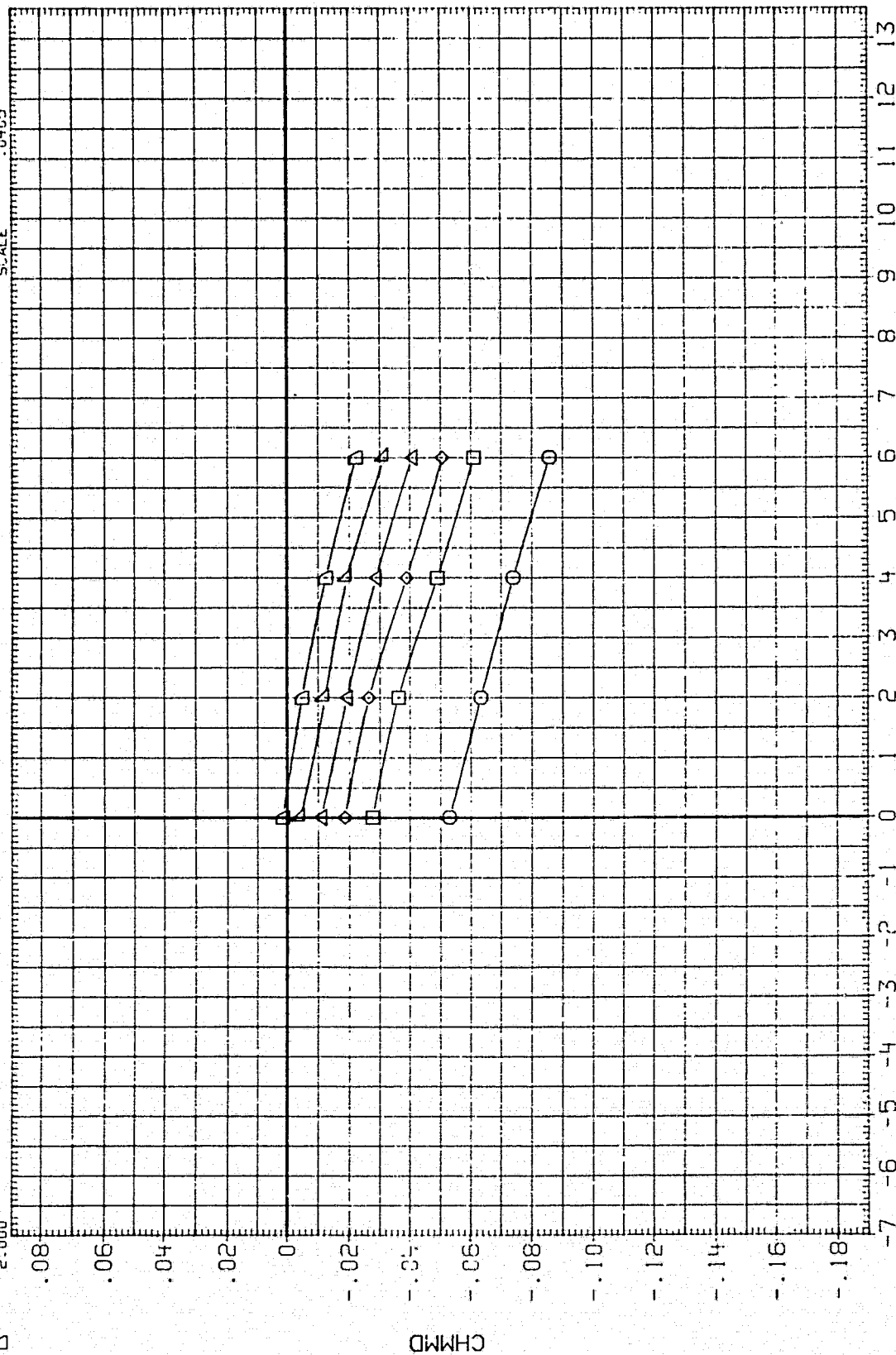


FIG 16 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 88/32.2

AFPH11 CONFIGURATION: 041538 B68C12G20M16N28M127E5F10V8R5X911

PARAMETRIC VALUES	
BETA	5.000
SPOBRK	25.000
BDIAP	.000
ELV-L	.000
ELV-R	.000
PHI-M	66.000
THETAN	108.000
PHI-ML	88.000
THE ML	98.000
PHI-MR	32.200
THE MR	5.000

REFERENCE INFORMATION

SPEF	2690.0000	50.FT.
LPEF	474.8100	INCHES
BPEF	936.6800	INCHES
XMP	1076.6800	IN. YO
YMP	.0000	IN. YO
ZMP	375.0000	IN. ZO

SCALE 0.405

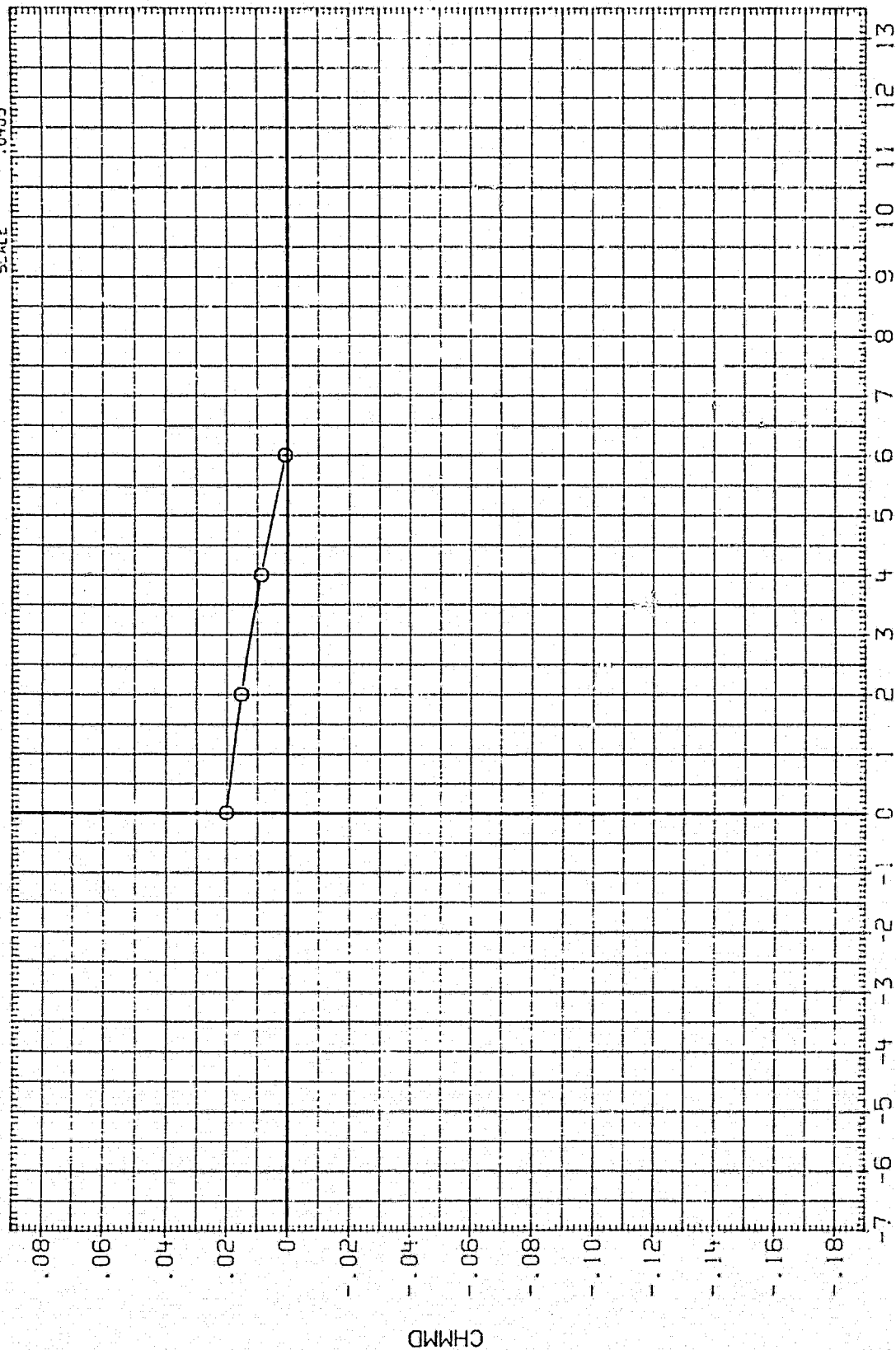


FIG 16 EFFECT OF SIDESLIP ANGLE ON LANDING GEAR HINGEMOMENTS, PHI-M = 88/32.2

APPENDIX

TABULATED SOURCE DATA

Force--pages 1-56

Pressure--pages 1-312

Tabulations of plotted data are available on request from Data Management Services.

DATE 25 APR 77

OAI63B - FORCE SOURCE DATA TABULATION

PAGE 1

OAI63B B68C12G20M16N28W127E5F10V8R5X911

(RFFP01) (23 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

25.000 BDFLAP = .000
 .000 ELV-R = .000
 30.800 THETAN = 5.000
 32.200 THETML = 5.000
 32.200 THETMR = 5.000

RUN NO. 1/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-5.060	-2.060	-1.0710	.03900	.01910	-.10850	.03511	-.00640	.00300	.08000	.89900	.03986
-5.060	.010	-.01120	.03630	.01920	-.01120	.03631	-.00670	.00410	.08100	1.46500	.03913
-5.060	2.070	.08300	.03670	.01990	.08430	.03368	-.00670	.00500	.08200	.74700	.03862
-5.060	6.210	.27710	.04530	.01640	.28040	.01506	-.00800	.00890	.10500	.81200	.03979
-5.060	8.280	.37410	.05570	.01660	.37820	.00128	-.00820	.01060	.10600	.81800	.03963
-5.050	10.330	.47120	.07120	.01750	.47630	-.01448	-.00850	.01330	.10700	.82000	.03946
	GRADIENT	.04603	-.00056	.00019	.04668	-.00035	-.00007	.00048	.00048	-.03655	-.00030

RUN NO. 2/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-4.040	-2.050	-1.0730	.03850	.01910	-.10860	.03467	-.00660	.00290	.08000	.89900	.03900
-4.040	.010	-.01010	.03570	.01950	-.01000	.03573	-.00670	.00410	.08000	1.54700	.03910
-4.040	2.070	.08470	.03570	.02000	.08590	.03269	-.00670	.00510	.08100	.74800	.03920
-4.040	4.130	.17790	.04620	.01940	.18040	.02727	-.00650	.00620	.08200	.79400	.03960
-4.040	6.190	.27410	.04640	.01870	.27750	.01666	-.00680	.00720	.08300	.80300	.03925
-4.040	8.270	.37130	.05710	.01870	.37560	.00310	-.00700	.00850	.08700	.81600	.03835
	GRADIENT	.04614	.00025	.00007	.04674	-.00123	.00001	.00053	.00034	-.05408	-.00014

RUN NO. 3/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.950	-2.070	-1.0980	.04020	.01990	-.11120	.03626	-.00510	.00230	.06100	.90000	.03968
-2.960	.000	-.01420	.03760	.02030	-.01420	.03761	-.00550	.00320	.06200	1.36000	.03975
-2.960	2.050	.07710	.03770	.02060	.07840	.03499	-.00540	.00380	.06300	.73700	.03834
-2.950	4.130	.17500	.04090	.02010	.17750	.02818	-.00540	.00470	.06600	.79200	.03828
-2.960	6.190	.26650	.04670	.01900	.27000	.01774	-.00540	.00550	.06600	.80800	.03755
-2.960	8.270	.36410	.05710	.01860	.36850	.00415	-.00560	.00660	.06900	.81500	.03744
	GRADIENT	.04580	.00011	.00004	.04643	-.00130	-.00004	.00038	.00078	-.04570	-.00022

RUN NO. 4/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.010	-2.080	-1.1020	.03970	.02140	-.11160	.03567	-.00410	.00170	.04000	.90500	.03858
-2.010	-.010	-.01390	.03720	.02170	-.01390	.03722	-.00410	.00240	.04100	1.40700	.03844
-2.020	2.050	.07990	.03740	.02240	.08120	.03457	-.00400	.00290	.04300	.73200	.03780
-2.020	4.140	.17670	.04100	.02250	.17920	.02816	-.00400	.00350	.04500	.78800	.03817
-2.020	6.220	.27210	.04730	.02150	.27560	.01752	-.00410	.00380	.05000	.80500	.03764
-2.020	8.280	.36820	.05810	.02210	.37270	.00453	-.00410	.00460	.05000	.81200	.03686
	GRADIENT	.04607	.00020	.00019	.04669	-.00122	.00002	.00028	.00082	-.04944	-.00009

(RFPF01) (23 FEB 77)

OAI63B B68C12G20M16N2BWI27E5F10V8R5X911

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6900 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = .000
 ELV-L = .000
 PHI-N = 30.800
 PHI-ML = 32.200
 PHI-MR = 32.200
 BDFLAP = .000
 ELV-R = .000
 THETAN = 5.000
 THETML = 5.000
 THETMR = 5.000

RUN NO. 5/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
 -1.020
 -1.020
 -1.020
 -1.020
 -1.030
 -1.030

ALPHA
 -2.080
 .010
 2.070
 4.130
 6.180
 8.260
 GRADIENT

CL .11180
 CDF .04190
 CLM .02160
 CN .11330
 CAF .03784
 CYN .00290
 CBL .00120
 .01430
 .03880
 .02250
 .03886
 .02300
 .03608
 .02340
 .02969
 .02290
 .02210
 .02340
 .01978
 .02300
 .00587
 .00250
 .00029
 .04658
 .00131
 .00000
 .00015

CY .02700
 .02600
 .02800
 .02900
 .02900
 .03100
 .03400
 .00039
 XCP/L .90400
 .141100
 .72700
 .78500
 .80200
 .81100
 .05002
 .00031
 CAB .03930
 .03814
 .03807
 .03716
 .03638
 .03600
 .00031

RUN NO. 6/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
 .000
 .000
 .000
 .000
 .000
 .000
 .000

ALPHA
 -2.050
 .000
 2.060
 4.110
 6.200
 8.280
 GRADIENT

CL .10970
 CDF .04230
 CLM .02200
 CN .11120
 CAF .03836
 CYN .00200
 CBL .00090
 .01730
 .03860
 .02250
 .03869
 .02340
 .03573
 .02170
 .00080
 .02942
 .00070
 .02360
 .01967
 .02360
 .00586
 .00060
 .00028
 .04604
 .00145
 .00003
 .00002

CY .00900
 .00800
 .00900
 .01100
 .01200
 .01400
 .00034
 XCP/L .90700
 .131100
 .72600
 .78300
 .80100
 .81100
 .04657
 .00026
 CAB .03817
 .03815
 .03750
 .03652
 .03512
 .03511
 .00026

RUN NO. 7/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
 1.000
 1.000
 1.000
 1.000
 1.000
 1.000
 1.000

ALPHA
 -2.060
 .000
 2.060
 4.110
 6.190
 8.260
 GRADIENT

CL .10960
 CDF .04110
 CLM .02170
 CN .11100
 CAF .03716
 CYN .00090
 CBL .00050
 .01550
 .03823
 .02210
 .03823
 .02240
 .03555
 .02310
 .00070
 .02933
 .00050
 .02300
 .01891
 .00050
 .02210
 .00619
 .00040
 .00022
 .04537
 .00015
 .00005
 .00015

CY .00900
 .00800
 .00800
 .00800
 .00600
 .00500
 .00400
 .00044
 XCP/L .90600
 .135600
 .72700
 .78400
 .80200
 .81100
 .04837
 .00031
 CAB .03803
 .03716
 .03716
 .03591
 .03557
 .03475
 .00031

RUN NO. 8/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
 1.980
 1.980
 1.980
 1.980
 1.980
 1.980
 1.980

ALPHA
 -2.070
 .010
 2.060
 4.120
 6.180
 8.280
 GRADIENT

CL .11000
 CDF .04040
 CLM .02070
 CN .11140
 CAF .03643
 CYN .00000
 CBL .00000
 .01820
 .03860
 .02170
 .03860
 .02180
 .03591
 .02240
 .00020
 .02912
 .00030
 .02210
 .01958
 .00030
 .02160
 .00632
 .00025
 .04632
 .00019
 .00003
 .00024

CY .02500
 .02600
 .02500
 .02500
 .02300
 .02100
 .00005
 XCP/L .90200
 .127200
 .73100
 .78700
 .80400
 .81300
 .04300
 .00005
 CAB .03749
 .03811
 .03828
 .03777
 .03645
 .03610
 .00005

DATE 25 APR 77

OAI163B - FORCE SOURCE DATA TABULATION

OAI163B B68C12G20M16N28W127E5F10V8R5X911

PAGE 3

(RFPF01) (23 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 9/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
2.990	-2.060	-1.10970	.04080	.02060	-1.11110	.03688	.00110	-0.00050	-0.04400	.90200	.03801
2.990	.000	-0.1610	.03800	.02080	-0.1610	.03803	.00130	-0.00110	-0.04500	1.30800	.03801
2.990	2.080	.07770	.03840	.02090	.07910	.03555	.00130	-0.00210	-0.04300	.73700	.03752
2.990	4.120	.17310	.04160	.02090	.17560	.02906	.00150	-0.00270	-0.04300	.79000	.03596
2.990	6.200	.26950	.04770	.02070	.27310	.01839	.00150	-0.00350	-0.04200	.80600	.03706
2.980	8.260	.36770	.05910	.02010	.37240	.00567	.00150	-0.00440	-0.04000	.81400	.03605
	GRADIENT	.04569	.00013	.00005	.04633	-0.00126	.00006	-0.00037	-0.00024	-0.04413	-0.00018

RUN NO. 10/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
4.050	-2.060	-1.10730	.03980	.01940	-1.10870	.03590	.00250	-0.00100	-0.06300	.90000	.03866
4.040	.000	-0.1410	.03700	.01930	-0.1410	.03708	.00240	-0.00210	-0.06200	1.33700	.03843
4.040	2.050	.08020	.03710	.02000	.08150	.03426	.00270	-0.00310	-0.06200	.74300	.03792
4.050	4.110	.17490	.04030	.01930	.17730	.02772	.00260	-0.00420	-0.06100	.79400	.03811
4.050	6.210	.27100	.04720	.01860	.27450	.01762	.00270	-0.00540	-0.06000	.80900	.03734
4.050	8.280	.37070	.05810	.01850	.37520	.00414	.00290	-0.00640	-0.05900	.81600	.03739
	GRADIENT	.04576	.00008	.00002	.04638	-0.00133	.00003	-0.00052	-0.00029	-0.04428	-0.00011

RUN NO. 11/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
5.010	-2.070	-1.10950	.03730	.01810	-1.10980	.03340	.00420	-0.00160	-0.08400	.89500	.03941
5.010	.010	-0.1310	.03460	.01830	-0.1310	.03464	.00440	-0.00290	-0.08500	1.34800	.03869
5.010	2.050	.08110	.03460	.01880	.08230	.03172	.00430	-0.00430	-0.08400	.75000	.03866
5.010	4.130	.17660	.03840	.01830	.17890	.02565	.00430	-0.00560	-0.08200	.79600	.03836
5.010	6.180	.27340	.04490	.01720	.27670	.01518	.00430	-0.00690	-0.08000	.81100	.03865
5.010	8.250	.37410	.05570	.01660	.37820	.00145	.00470	-0.00830	-0.08100	.81800	.03832
	GRADIENT	.04500	.00016	.00005	.04658	-0.00127	.00001	-0.00065	-0.00034	-0.04304	-0.00015

OA163B B58C12G20M16N28M127E5F10V8R5X911

(RF 0002) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LRF = 474.8100 INCHES YMRP = 0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 36.000 THETML = 5.600
 PHI-MR = 36.000 THETMR = 5.600

RUN NO. 12/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-5.050	-2.070	-1.0470	.03560	.01770	-.10600	.03180	-.00770	.00390	.09400	.89500	.03930
-5.050	-2.010	-.00700	.03360	.01830	-.00700	.03365	-.00790	.00520	.09600	1.79400	.03858
-5.050	2.060	.08780	.03430	.01880	.08900	.03116	-.00790	.00640	.10000	.75600	.03866
-5.050	4.120	.18260	.03850	.01840	.18490	.02532	-.00760	.00770	.10200	.79700	.03868
-5.050	6.220	.27930	.04530	.01690	.28260	.01481	-.00760	.00890	.10400	.81200	.03951
-5.050	8.270	.37530	.05620	.01680	.37950	.00160	-.00790	.01050	.10500	.81800	.03933
	GRADIENT	.04635	.00046	.00013	.04693	-.00106	.00001	.00061	.00136	-.06468	-.00009

RUN NO. 13/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-4.040	-2.030	-1.0480	.03940	.01940	-.10610	.03565	-.00610	.00320	.08000	.90100	.03847
-4.040	.020	-.01000	.03630	.01980	-.01000	.03639	-.00640	.00420	.08100	1.56200	.03847
-4.040	2.050	.08440	.03690	.02030	.08570	.03385	-.00640	.00530	.08200	.74700	.03823
-4.040	4.140	.18060	.04050	.02000	.18300	.02737	-.00630	.00630	.08500	.79400	.03837
-4.040	6.220	.27780	.04730	.01870	.28130	.01692	-.00640	.00750	.08600	.80900	.03854
-4.050	8.270	.37300	.05800	.01930	.37750	.00372	-.00650	.00860	.08700	.81500	.03800
	GRADIENT	.04626	.00019	.00011	.04686	-.00133	-.00003	.00051	.00078	-.05522	-.00003

RUN NO. 14/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.970	-2.060	-1.0970	.04020	.02070	-.11110	.03630	-.00490	.00240	.06100	.90300	.03880
-2.970	.010	-.01190	.03770	.02120	-.01190	.03779	-.00500	.00320	.06200	1.49000	.03820
-2.970	2.070	.08300	.03800	.02160	.08440	.03504	-.00500	.00400	.06300	.74000	.03799
-2.970	4.130	.17830	.04170	.02130	.18080	.02876	-.00500	.00480	.06600	.79000	.03797
-2.970	6.200	.27430	.04810	.02060	.27790	.01818	-.00490	.00550	.06700	.80700	.03746
-2.970	8.280	.37120	.05920	.02100	.37590	.00513	-.00540	.00670	.07000	.81300	.03642
	GRADIENT	.04648	.00023	.00011	.04712	-.00123	-.00001	.00039	.00078	-.05267	-.00013

RUN NO. 15/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.040	-2.060	-1.0760	.04140	.02170	-.10900	.03754	-.00370	.00190	.04400	.90700	.03855
-2.030	.010	-.01060	.03950	.02210	-.01060	.03857	-.00390	.00240	.04400	1.59800	.03859
-2.040	2.080	.08210	.03830	.02240	.08340	.03534	-.00380	.00290	.04500	.73500	.03853
-2.040	4.120	.17680	.04200	.02260	.17930	.02917	-.00370	.00350	.04600	.78700	.03794
-2.040	6.200	.27320	.04830	.02200	.27680	.01851	-.00390	.00410	.04900	.80500	.03733
-2.040	8.290	.37060	.05950	.02220	.37530	.00546	-.00400	.00450	.05200	.81200	.03661
	GRADIENT	.04589	.00008	.00015	.04653	-.00137	.00000	.00026	.00034	-.03929	-.00009

DATE 25 APR 77

OAI163B - FORCE SOURCE DATA TABULATION

PAGE 5

OAI163B B68C12020M16N28H127E5F10V8R5X911

(RFPF02) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 36.000 THETML = 5.600
 PHI-MR = 36.000 THETMR = 5.600

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-1.030	-2.040	-1.0810	.04150	.02210	-1.10960	.03766	-.00260	.00120	.02600	.90800	.03888
-1.040	.020	-.01100	.03880	.02280	-.01100	.03986	-.00280	.00140	.02600	1.59500	.03796
-1.040	2.060	.08130	.03890	.02360	.08260	.03597	-.00270	.00180	.02700	.72900	.03791
-1.030	4.120	.17610	.04270	.02380	.17870	.02993	-.00260	.00210	.02800	.78500	.03675
-1.040	6.200	.27230	.04950	.02390	.27610	.01981	-.00270	.00260	.03000	.80200	.03632
-1.040	8.270	.36950	.05980	.02360	.37430	.00615	-.00270	.00270	.03200	.81100	.03602
	GRADIENT	.04605	.00018	.00029	.04671	-.00127	.00000	.00015	.00034	-.05995	-.00031

RUN NO. 16/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-0.000	-2.060	-1.0750	.04220	.02230	-1.10890	.03839	-.00160	.00050	.00800	.90900	.03851
-0.010	.020	-.01310	.03940	.02300	-.01310	.03946	-.00160	.00060	.00800	1.48100	.03782
-0.010	2.060	.08190	.03960	.02370	.08320	.03662	-.00150	.00080	.00800	.72900	.03725
-0.010	4.140	.17830	.04380	.02430	.18100	.03081	-.00160	.00070	.01200	.78400	.03540
-0.010	6.200	.27190	.05060	.02430	.27570	.02041	-.00150	.00090	.01200	.80100	.03550
-0.010	8.270	.37180	.06070	.02420	.37670	.00662	-.00150	.00070	.01400	.81000	.03592
	GRADIENT	.04614	.00024	.00032	.04680	-.00124	.00000	.00004	.00058	-.05420	-.00033

RUN NO. 18/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-0.980	-2.070	-1.0740	.04230	.02220	-1.10690	.03845	-.00060	.00030	-.00800	.90900	.03854
-0.980	.020	-.01310	.03900	.02300	-.01300	.03909	-.00080	.00010	-.00900	1.48100	.03832
-0.980	2.060	.08290	.03930	.02340	.08430	.03638	-.00050	.00010	-.00800	.73200	.03768
-0.980	4.120	.17690	.04240	.02390	.17950	.02955	-.00030	.00030	-.00800	.78500	.03751
-0.980	6.200	.27260	.04950	.02400	.27630	.01975	-.00020	.00060	-.00700	.80200	.03619
-0.980	8.270	.37150	.05020	.02350	.37630	.00619	-.00030	.00110	-.00400	.81100	.03644
	GRADIENT	.04604	.00003	.00027	.04670	-.00142	.00006	-.00010	.00005	-.05386	-.00018

RUN NO. 19/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.970	-2.060	-1.0540	.04090	.02190	-1.10680	.03714	.00000	.00000	-.02600	.91000	.03896
1.970	.010	-.00940	.03870	.02230	-.00940	.03879	.00010	.00050	-.02600	1.70900	.03793
1.970	2.070	.08400	.03900	.02280	.08540	.03594	.00030	.00080	-.02400	.73500	.03815
1.970	4.130	.18020	.04280	.02340	.18280	.02973	.00030	.00150	-.02400	.78700	.03768
1.970	6.200	.27610	.04970	.02300	.27990	.01962	.00050	.00200	-.02400	.80400	.03646
1.970	8.270	.37410	.06130	.02300	.37900	.00688	.00070	.00270	-.02300	.81200	.03586
	GRADIENT	.04606	.00029	.00024	.04671	-.00121	.00005	-.00023	.00029	-.06495	-.00018

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OA163B - FORCE SOURCE DATA TABULATION

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OA163B B6BC12G20M16N28W127E5F10V8R5X911

(RFPF02) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES /MRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BOFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 36.000 THETML = 5.600
 PHI-MR = 36.000 THETMR = 5.600

RUN NO. 20/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
2.990	-2.060	-.10580	.03870	.02100	-.10710	.03487	.00110	-.00050	-.04800	.90600	.03859
2.990	-.020	-.01500	.03650	.02080	-.01510	.03400	.00130	-.00140	-.04600	1.34100	.03819
2.990	2.050	.08060	.03690	.02130	.08180	.03400	.00150	-.00180	-.04500	.73800	.03838
2.990	4.130	.17560	.04070	.02150	.17810	.02795	.00160	-.00290	-.04400	.79000	.03759
2.990	6.190	.26960	.04720	.02090	.27310	.01784	.00170	-.00350	-.04300	.80600	.03713
2.990	8.260	.36870	.05890	.02070	.37330	.00532	.00180	-.00430	-.04100	.81300	.03614
	GRADIENT	.04553	.00031	.00010	.04615	-.00113	.00008	-.00037	.00058	-.04633	-.00014

RUN NO. 21/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
4.060	-2.050	-.10710	.03980	.01960	-.10850	.03594	.00270	-.00100	-.06300	.90000	.03922
4.060	.000	-.01350	.03670	.01970	-.01350	.03676	.00270	-.00200	-.06300	1.37100	.03870
4.060	2.070	.08100	.03700	.02000	.08220	.03412	.00290	-.00330	-.06200	.74400	.03826
4.060	4.110	.17360	.04060	.02010	.17610	.02807	.00300	-.00400	-.06300	.79200	.03755
4.060	6.190	.27140	.04700	.01870	.27490	.01750	.00300	-.00520	-.06100	.80900	.03755
4.060	8.260	.36870	.05810	.01860	.37320	.00457	.00310	-.00630	-.06000	.81600	.03734
	GRADIENT	.04558	.00013	.00009	.04620	-.00128	.00005	-.00050	.00005	-.04644	-.00028

RUN NO. 22/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
5.030	-2.070	-.10700	.03770	.01740	-.10830	.03382	.00410	-.00150	-.08200	.89300	.03896
5.030	.000	-.01170	.03530	.01740	-.01170	.03537	.00400	-.00320	-.08100	1.38200	.03863
5.030	2.070	.08240	.03550	.01810	.08370	.03297	.00430	-.00430	-.08200	.75400	.03823
5.030	4.120	.17620	.03950	.01770	.17860	.02673	.00410	-.00570	-.08100	.79700	.03826
5.030	6.190	.27340	.04520	.01630	.27670	.01542	.00420	-.00570	-.08000	.81200	.03900
5.030	8.260	.37090	.05650	.01600	.37520	.00265	.00440	-.00840	-.07800	.81800	.03818
	GRADIENT	.04572	.00029	.00008	.04632	-.00114	.00001	-.00066	.00010	-.04436	-.00012

DATE 25 APR 77 OAI63B - FORCE SOURCE DATA TABULATION

(RFPF03) (21 FEB 77)

OAI63B 868C12020M16N28H127E5F10VBR5X911

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-M = 40.000 THETML = 6.200
 PHI-MR = 40.000 THEIMR = 6.200

RUN NO. 23/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-5.030	-2.080	-1.0340	.03590	.01640	-.10460	.03211	-.00810	.00380	.09700	.89200	.03936
-5.020	-.010	-.00600	.03340	.01740	-.00600	.03340	-.00820	.00500	.09900	1.89200	.03937
-5.030	2.060	.08750	.03420	.01790	.08860	.03103	-.00790	.00850	.10000	.79900	.03918
-5.030	4.110	.18060	.03800	.01730	.18290	.02497	-.00770	.00760	.10200	.79900	.03959
-5.030	6.190	.27890	.04450	.01590	.28210	.01418	-.00770	.00890	.10400	.81300	.04035
-5.030	8.260	.37490	.05510	.01620	.37890	.00065	-.00800	.01050	.10600	.81800	.04012
-5.030	GRADIENT	.04581	.00034	.00016	.04637	-.00115	.00007	.00063	.00078	-.06834	.00002

RUN NO. 24/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-4.030	-2.080	-1.0420	.04010	.01830	-.10560	.03635	-.00620	.00330	.08100	.89800	.03871
-4.030	.000	-.00850	.03710	.01880	-.00850	.03716	-.00640	.00430	.08100	1.64500	.03843
-4.030	2.050	.08430	.03710	.01940	.08550	.03406	-.00660	.00500	.08300	.75000	.03812
-4.030	4.120	.17990	.04080	.01900	.18240	.02775	-.00630	.00660	.08300	.79600	.03832
-4.040	6.190	.27600	.04720	.01770	.27940	.01718	-.00660	.00720	.08800	.81100	.03845
-4.040	8.260	.37300	.05820	.01810	.37750	.00399	-.00680	.00850	.09000	.81500	.03803
-4.040	GRADIENT	.04577	.00010	.00013	.04639	-.00140	-.00002	.00051	.00039	-.05777	-.00007

RUN NO. 25/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.960	-2.060	-1.0460	.04070	.01960	-.10600	.03690	-.00510	.00230	.06300	.90200	.03846
-2.960	.010	-.00940	.03790	.02000	-.00940	.03790	-.00520	.00300	.06300	1.61600	.03843
-2.960	2.050	.08430	.03800	.02050	.08560	.03500	-.00510	.00410	.06400	.74600	.03833
-2.960	4.120	.17910	.04170	.02040	.18160	.02872	-.00510	.00490	.06500	.79200	.03807
-2.960	6.200	.27610	.04840	.02000	.27970	.01834	-.00520	.00560	.06900	.80800	.03795
-2.960	8.280	.37250	.05970	.01970	.37720	.00547	-.00530	.00670	.07000	.81500	.03631
-2.960	GRADIENT	.04591	.00015	.00014	.04654	-.00133	.00000	.00043	.00034	-.05795	-.00006

RUN NO. 26/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.030	-2.060	-1.0420	.04100	.02080	-.10560	.03726	-.00390	.00190	.04400	.90600	.03878
-2.020	.020	-.00860	.03830	.02130	-.00860	.03834	-.00390	.00240	.04400	1.74400	.03828
-2.030	2.070	.08650	.03860	.02140	.08780	.03550	-.00400	.00290	.04600	.74400	.03857
-2.020	4.120	.17860	.04230	.02170	.18120	.02935	-.00390	.00360	.04600	.79000	.03765
-2.020	6.200	.27440	.04910	.02080	.27710	.01917	-.00390	.00410	.04900	.80600	.03703
-2.020	8.270	.37290	.06020	.02120	.37770	.00595	-.00410	.00460	.05200	.81300	.03633
-2.020	GRADIENT	.04582	.00020	.00014	.04647	-.00129	-.00000	.00027	.00039	-.05498	-.00015

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0A163B - FORCE SOURCE DATA TABULATION

PAGE 8

0A163B 868C12G20M16N28W127E5F10V8R5X911

(RFPF03) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = .000
 ELV-L = .000
 PHI-N = 30.800
 PHI-ML = 40.000
 PHI-MR = 40.000
 BDFLAP = .000
 ELV-R = .000
 THETAN = 5.000
 THETML = 6.200
 THETMR = 6.200

RUN NO. 27/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-1.030	-2.060	-1.0510	.04210	.02100	-1.0650	.03831	-.00270	.00130	.02500	.90700	.03804
-1.030	.000	-.00950	.03880	.02180	-.00950	.03887	-.00300	.00150	.02700	1.67400	.03773
-1.030	2.060	.08400	.03920	.02180	.08540	.03616	-.00290	.00150	.02800	.74000	.03767
-1.030	4.120	.17800	.04290	.02260	.18060	.03007	-.00270	.00240	.02700	.78800	.03627
-1.030	6.190	.27310	.04960	.02240	.27690	.01981	-.00290	.00250	.03100	.80400	.03573
-1.030	8.280	.37230	.06030	.02200	.37710	.00607	-.00290	.00270	.03300	.81200	.03508
	GRADIENT	.04577	.00014	.00023	.04642	-.00133	.00000	.00016	.00034	-.06267	-.00026

RUN NO. 28/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.030	.000	-.01100	.03960	.02180	-.01100	.03964	-.00170	.00070	.00900	1.55900	.03794
.030	2.070	.08490	.04020	.02230	.08630	.03710	-.00160	.00070	.00900	.73900	.03684
.030	4.130	.17870	.04300	.02250	.18130	.03001	-.00160	.00070	.01100	.78800	.03659
.030	6.210	.27580	.04980	.02290	.27950	.01970	-.00150	.00070	.01200	.80400	.03590
	GRADIENT	.04593	.00082	.00017	.04656	-.00233	.00002	-.00000	.00048	-.18685	-.00025

RUN NO. 29/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.960	.000	-.01320	.03780	.02210	-.01320	.03789	-.00080	.00000	-.01200	1.44900	.03793
.960	2.070	.07990	.03830	.02260	.08120	.03540	-.00070	.00030	-.01000	.73100	.03748
.960	4.130	.17420	.04170	.02350	.17680	.02904	-.00050	.00030	-.00900	.78500	.03719
.960	6.200	.26790	.04860	.02330	.27160	.01940	-.00040	.00040	-.00900	.80200	.03608
	GRADIENT	.04537	.00094	.00034	.04600	-.00214	.00007	-.00007	.00073	-.16093	-.00018

RUN NO. 30/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.950	.000	-.01480	.03940	.02160	-.01480	.03948	-.00010	.00050	-.02700	1.37000	.03821
1.940	2.060	.07990	.03890	.02180	.08120	.03607	-.00010	.00090	-.02700	.73500	.03844
1.940	4.140	.17490	.04260	.02250	.17750	.02993	.00020	.00150	-.02500	.78700	.03730
	GRADIENT	.04582	.00077	.00022	.04645	-.00231	.00002	-.00024	.00048	.80400	.03665
										-.14055	-.00022

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OA163B - FORCE SOURCE DATA TABULATION

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OA163B B68C12G20M16N28W127E5F10V8R5X911

(RFPF03) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

RUN NO. 31/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	COF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
5.000	.000	-.01100	.03590	.01770	-.01100	.03592	.00420	-.00310	-.08300	1.42800	.03888
5.000	2.080	.08280	.03660	.01790	.08410	.03360	.00430	-.00430	-.08400	.75500	.03804
4.990	4.130	.17670	.03990	.01780	.17920	.02711	.00410	-.00560	-.08200	.79700	.03842
4.990	6.220	.27520	.04670	.01660	.27860	.01666	.00430	-.00680	-.08100	.81200	.03825
	GRADIENT	.04545	.00097	.00002	.04605	-.00213	-.00002	-.00061	.00024	-.15320	-.00011

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 40.000 THETML = 6.200
 PHI-MR = 40.000 THETMR = 6.200

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

RUN NO. 32/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	COF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-5.030	.000	-.00690	.03360	.01850	-.00690	.03365	-.00770	.00530	.09500	1.81600	.03819
-5.030	2.070	.08600	.03420	.01890	.08720	.03108	-.00790	.00640	.09900	.75400	.03794
-5.030	4.130	.18010	.03810	.01850	.18240	.02507	-.00760	.00770	.10000	.79600	.03844
-5.030	6.210	.27770	.04520	.01710	.28100	.01491	-.00760	.00890	.10100	.81100	.03823
	GRADIENT	.04528	.00109	.00000	.04584	-.00208	.00002	.00058	.00121	-.24719	.00003

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 25.000 THETAN = 5.000
 PHI-ML = 26.000 THETML = 4.000
 PHI-MR = 26.000 THETMR = 4.000

RUN NO. 33/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	COF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.000	.000	-.01550	.03820	.02210	-.01550	.03824	-.00370	.00240	.04300	1.36000	.03779
-2.010	2.050	.07820	.03830	.02250	.07950	.03548	-.00370	.00290	.04300	.75000	.03753
-2.010	4.120	.17190	.04130	.02260	.17440	.02891	-.00370	.00350	.04500	.78600	.03728
-2.010	6.220	.27090	.04800	.02210	.27450	.01841	-.00390	.00390	.04800	.80400	.03691
	GRADIENT	.04549	.00075	.00012	.04609	-.00227	.00000	.00027	.00049	-.13905	-.00012

DATE 25 APR 77

OA163B - FORCE SOURCE DATA TABULATION

PAGE 10

OA163B 868C12G20M16N28W127E5F10V8R5X911

(RFPF04) (21 FEB 77)

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 25.000 THETAN = 5.000
 PHI-ML = 26.000 THETML = 4.000
 PHI-MR = 26.000 THETMR = 4.000

RUN NO. 34/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-1.010	.020	-.01480	.03940	.02260	-.01480	.03947	-.00270	.00160	.02700	1.39500	.03818
-1.010	2.060	.07680	.03950	.02330	.07820	.03671	-.00280	.00180	.02700	.72400	.03693
-1.010	4.130	.17200	.04230	.02380	.17470	.02980	-.00230	.00230	.02800	.78400	.03700
-1.010	6.200	.27020	.04870	.02350	.27390	.01925	-.00270	.00260	.02900	.80200	.03616
GRADIENT		.04545	.00071	.00029	.04611	-.00236	-.00002	.00017	.00024	-.14823	-.00029

RUN NO. 35/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.010	.000	-.01640	.03940	.02270	-.01640	.03942	-.00160	.00080	.00900	1.34300	.03780
.010	2.070	.07690	.03970	.02380	.07820	.03692	-.00150	.00070	.00900	.72200	.03697
.010	4.130	.17010	.04240	.02380	.17270	.03012	-.00150	.00080	.01000	.78300	.03668
.010	6.200	.26680	.04910	.02440	.27050	.02006	-.00140	.00110	.01100	.80100	.03528
GRADIENT		.04516	.00073	.00027	.04579	-.00225	.00002	-.00000	.00024	-.13573	-.00027

RUN NO. 36/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.000	.000	-.01640	.03920	.02240	-.01640	.03925	-.00060	.00000	-.00700	1.33500	.03827
1.000	2.050	.07630	.03950	.02340	.07770	.03675	-.00040	.00000	-.00800	.72300	.03711
1.010	4.140	.17290	.04280	.02400	.17560	.03022	-.00040	-.00020	-.00600	.78400	.03645
1.000	6.190	.26730	.04910	.02360	.27100	.02002	-.00030	-.00060	-.00400	.80200	.03588
GRADIENT		.04573	.00087	.00039	.04638	-.00218	.00005	-.00005	.00024	-.13256	-.00044

RUN NO. 37/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.990	.020	-.01310	.03900	.02240	-.01310	.03906	.00020	-.00030	-.02500	1.46100	.03829
1.980	2.050	.07720	.03880	.02240	.07850	.03609	.00030	-.00080	-.02500	.72900	.03803
1.990	4.130	.17320	.04240	.02300	.17580	.02984	.00040	-.00150	-.02400	.78600	.03709
1.990	6.180	.26650	.04880	.02280	.27020	.01989	.00060	-.00190	-.02300	.80300	.03619
GRADIENT		.04533	.00083	.00015	.04596	-.00225	.00005	-.00029	.00024	-.16345	-.00029

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OA163B - FORCE SOURCE DATA TABULATION

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OA163B B68C12G20M16N28W127E5F10V8R5X911

(RPF04) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

RUN NO.

38/ 0

RN/L = 1.19

GRADIENT INTERVAL = -5.00/ 5.00

BETA
 5.010 ALPHA .000
 5.010 2.050
 5.010 4.110
 5.010 6.200
 GRADIENT

CL
 -.01200
 .08020
 .17520
 .27400
 .04555

CDF
 .03530
 .03550
 .03920
 .04560
 .00095

CLM
 .01860
 .01880
 .01850
 .01700
 -.00002

CN

CAF
 .03539
 .03266
 .02655
 .01578
 -.00215

CYN

CBL
 -.00270
 -.00410
 -.00550
 -.00650
 -.00068

CY

XCP/L
 1.40600
 .74900
 .79600
 .81100
 -.14828

CAB
 .03876
 .03822
 .03829
 .03832
 -.00011

PARAMETRIC DATA

25.000 BDFLAP = .000
 .000 ELV-R = .000
 25.000 THETAN = 5.000
 26.000 THETML = 4.000
 26.000 THETMR = 4.000

OA163B B68C12G20M16N28W127E5F10V8R5X911

(RPF05) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

RUN NO.

39/ 0

RN/L = 1.19

GRADIENT INTERVAL = -5.00/ 5.00

BETA
 -5.050 ALPHA .050
 -5.050 2.120
 -5.050 4.190
 -5.050 6.270
 GRADIENT

CL
 .07690
 .17120
 .26430
 .36140
 .04527

CDF
 .03600
 .03930
 .04600
 .05550
 .00242

CLM
 -.02140
 -.02150
 -.02240
 -.02360
 -.00024

CN

CAF
 .03592
 .03293
 .02659
 .01570
 -.00225

CYN

CBL
 -.00820
 -.00820
 -.00820
 -.00810
 -.00053

CY

XCP/L
 .09900
 .10100
 .10400
 .10400
 -.01739

CAB
 .04036
 .04028
 .04036
 .04071
 .00000

PARAMETRIC DATA

25.000 BDFLAP = .000
 5.000 ELV-R = 5.000
 30.800 THETAN = 5.000
 32.200 THETML = 5.000
 32.200 THETMR = 5.000

SPDBRK =
 ELV-L =
 PHI-N =
 PHI-ML =
 PHI-MR =

CY

XCP/L
 .93700
 .88000
 .86500
 .85800
 -.01739

CAB
 .04036
 .04028
 .04036
 .04071
 .00000

GRADIENT INTERVAL = -5.00/ 5.00

BETA
 -4.050 ALPHA .050
 -4.050 2.110
 -4.050 4.190
 -4.050 6.240
 GRADIENT

CL
 .07180
 .16760
 .26180
 .35920
 .04589

CDF
 .03880
 .04140
 .04800
 .05720
 .00222

CLM
 -.02000
 -.01990
 -.02070
 -.02230
 -.00017

CN

CAF
 .03882
 .03524
 .02881
 .01780
 -.00242

CYN

CBL
 -.00670
 -.00690
 -.00670
 -.00690
 .00048

CY

XCP/L
 .08300
 .08500
 .08400
 .08700
 -.01762

CAB
 .04047
 .04065
 .04037
 .04058
 -.00002

PARAMETRIC DATA

25.000 BDFLAP = .000
 .000 ELV-R = .000
 25.000 THETAN = 5.000
 26.000 THETML = 4.000
 26.000 THETMR = 4.000

OAI63B B68C12G20M16N2BW127E5F10V8R5X911

(RFPF05) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = 5.000 ELV-R = 5.000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 41/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.970	.070	.07040	-.01860	.07040	.04032	-.00530	.00390	.06500	.93100	.04043
-2.970	2.110	.16420	-.01890	.16570	.03689	-.00540	.00450	.06500	.87600	.04059
-2.960	4.190	.26050	-.01930	.26340	.02996	-.00530	.00530	.06800	.86100	.04007
-2.970	6.260	.35690	-.02030	.36120	.01935	-.00550	.00590	.06900	.85500	.03937
	GRADIENT	.04614	-.00017	.04685	-.00252	-.00005	.00034	.00073	-.01696	-.00009

RUN NO. 42/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.030	.030	.06740	-.01750	.06740	.04136	-.00400	.00290	.04600	.93000	.04016
-2.030	2.120	.16220	-.01750	.16370	.03786	-.00390	.00340	.04600	.87300	.03974
-2.030	4.170	.25670	-.01850	.25960	.03064	-.00400	.00390	.04800	.86000	.04001
-2.030	6.260	.35560	-.01930	.35990	.01971	-.00430	.00430	.05100	.85400	.03954
	GRADIENT	.04572	-.00024	.04642	-.00259	-.00000	.00024	.00048	-.01694	-.00004

RUN NO. 43/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-1.040	.050	.06760	-.01640	.06760	.04206	-.00260	.00190	.02700	.92300	.03944
-1.040	2.120	.16280	-.01660	.16430	.03826	-.00280	.00220	.02800	.87100	.03945
-1.040	4.170	.25430	-.01670	.25730	.03118	-.00280	.00270	.02900	.85800	.03899
-1.040	6.250	.35230	-.01770	.35670	.02084	-.00290	.00280	.03100	.85200	.03827
	GRADIENT	.04532	-.00007	.04604	-.00264	-.00005	.00019	.00049	-.01579	-.00011

RUN NO. 44/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.000	.040	.06610	-.01630	.06610	.04206	-.00160	.00110	.00900	.92500	.03964
.000	2.120	.16070	-.01620	.16230	.03868	-.00140	.00110	.00900	.87100	.03931
.000	4.170	.25630	-.01630	.25930	.03136	-.00150	.00110	.01100	.85700	.03870
.000	6.260	.35400	-.01710	.35840	.02110	-.00140	.00140	.01200	.85200	.03717
	GRADIENT	.04605	.00000	.04678	-.00259	.00002	-.00000	.00048	-.01649	-.00023

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OAI63B - FORCE SOURCE DATA TABULATION

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OAI63B B68C12020M16N28H127ESF10V8R5X9:1

(RFPF05) (21 FEB 77)

REFERENCE DATA

SREF = 590.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 23.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = 5.000 ELV-R = 5.000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THEIMR = 5.000

RUN NO. 45/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.980	.070	.06880	.04200	-.01640	.06890	.04198	-.00050	.00030	-.00700	.92200	.03957
.980	2.120	.16200	.04470	-.01630	.16350	.03867	-.00050	.00020	-.00700	.87100	.03935
.980	4.170	.25480	.05020	-.01650	.25780	.03152	-.00050	.00000	-.00600	.85800	.03867
.980	6.240	.35290	.05940	-.01730	.35720	.02068	-.00020	-.00010	-.00600	.85200	.03789
	GRADIENT	.04537	.00200	-.00002	.04607	-.00255	-.00000	-.00007	.00024	-.01561	-.00022

RUN NO. 46/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.970	.060	.06920	.04170	-.01710	.06920	.04164	.00030	-.00030	-.02500	.92500	.03980
1.970	2.100	.16080	.04430	-.01720	.16240	.03837	.00050	.00080	-.02600	.87300	.03929
1.970	4.180	.25760	.05010	-.01720	.26060	.03122	.00050	.00110	-.02400	.85800	.03885
1.970	6.250	.35480	.05950	-.01830	.35920	.02050	.00080	-.00140	-.02400	.85300	.03837
	GRADIENT	.04573	.00204	-.00002	.04646	-.00253	.00007	-.00019	.00025	-.01623	-.00023

RUN NO. 47/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
2.980	.070	.07070	.04110	-.01790	.07070	.04103	.00170	-.00110	-.04400	.92700	.03965
2.990	2.100	.16320	.04350	-.01790	.16470	.03751	.00180	.00200	-.04400	.87400	.03966
2.990	4.190	.26070	.04970	-.01890	.26360	.03051	.00190	.00240	-.04300	.86000	.03925
2.990	6.260	.35780	.05870	-.02020	.36200	.01933	.00210	.00280	-.04300	.85500	.03893
	GRADIENT	.04612	.00209	-.00024	.04682	-.00256	.00005	-.00031	.00024	-.01622	-.00010

RUN NO. 48/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
4.050	.040	.07190	.03910	-.01950	.07200	.03914	.00310	-.00200	-.06300	.93400	.04045
4.040	2.100	.16390	.04270	-.01950	.16530	.03670	.00320	.00320	-.06200	.87800	.03932
4.050	4.190	.26110	.04890	-.02010	.26400	.02974	.00330	.00390	-.06300	.86200	.03914
4.050	6.250	.36020	.05850	-.02200	.36440	.01896	.00340	.00460	-.06200	.85600	.03915
	GRADIENT	.04559	.00236	-.00014	.04627	-.00227	.00005	-.00046	-.00000	-.01733	-.00032

OA163B B68C12G20M16N28W127E5F10V8R5X911

(RFPF05) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = .000
 ELV-L = 5.000
 PHI-N = 5.000
 PHI-ML = 5.000
 PHI-MR = 5.000

RUN NO. 49/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
5.000	.060	.07400	.03800	-.02150	.07400	.03801	.00450	-.00310	-.08200	.94100	.04063
5.000	2.130	.16700	.04130	-.02170	.16850	.03509	.00470	-.00440	-.08200	.86100	.03996
5.000	4.190	.26510	.04770	-.02280	.26790	.02827	.00460	-.00560	-.08100	.86500	.04014
5.000	6.250	.36220	.05670	-.02470	.36620	.01696	.00470	-.00640	-.08100	.85900	.04038
	GRADIENT	.04627	.00235	-.00031	.04695	-.00236	.00002	-.00061	.00024	-.01841	-.00012

OA163B B68C12G20M16N28W127E5F10V8R5X911

(RFPF06) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = .000
 ELV-L = 5.000
 PHI-N = 5.000
 PHI-ML = 5.000
 PHI-MR = 5.000

RUN NO. 51/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-5.030	.010	.02970	.03540	-.00610	.02970	.03541	-.00800	.00610	.09800	.91000	.03682
-5.030	2.100	.12460	.03710	-.00660	.12590	.03249	-.00810	.00730	.10100	.85300	.03704
-5.030	4.140	.21910	.04200	-.00750	.22160	.02612	-.00790	.00850	.10200	.84700	.03724
-5.040	6.230	.31600	.05070	-.00930	.31960	.01615	-.00780	.00970	.10300	.84500	.03768
	GRADIENT	.04586	.00159	-.00034	.04646	-.00225	.00002	.00058	.00097	-.01530	.00010

RUN NO. 52/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-4.030	.010	.02670	.03730	-.00500	.02670	.03737	-.00640	.00500	.09100	.90300	.03701
-4.030	2.090	.12140	.03940	-.00510	.12270	.03496	-.00660	.00600	.09200	.84900	.03690
-4.030	4.140	.21530	.04370	-.00650	.21790	.02810	-.00660	.00600	.08500	.84500	.03768
-4.030	6.240	.31380	.05180	-.00820	.31760	.01741	-.00650	.00800	.08500	.84300	.03769
	GRADIENT	.04567	.00155	-.00036	.04630	-.00224	-.00005	.00046	.00097	-.01407	.00016

DATE 25 APR 77

OAI63B - FCRCE SOURCE DATA TABULATION

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OAI63B B68C12020M16N28H127E5F10V8R5X911

(RFPF06) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = 16.300
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 53/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.950	.010	.02410	.03940	-.00360	.02410	.03943	-.00480	.00390	.06200	.89000	.03688
-2.950	2.100	.11890	.04080	-.00420	.12030	.03642	-.00480	.00480	.06200	.84700	.03681
-2.950	4.150	.21290	.04500	-.00490	.21560	.02954	-.00500	.00550	.06500	.84200	.03670
-2.950	6.220	.31040	.05310	-.00600	.31440	.01918	-.00500	.00630	.06500	.84100	.03703
	GRADIENT	.04560	.00135	-.00031	.04626	-.00239	-.00005	.00039	.00072	-.01162	-.00004

RUN NO. 54/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.020	.040	.02370	.04030	-.00290	.02370	.04028	-.00360	.00310	.04300	.87900	.03626
-2.020	2.090	.11820	.04150	-.00300	.11960	.03719	-.00360	.00360	.04400	.84300	.03598
-2.020	4.150	.21230	.04580	-.00360	.21510	.03040	-.00380	.00410	.04600	.84000	.03647
-2.020	6.220	.30880	.05330	-.00470	.31280	.01957	-.00390	.00460	.04800	.84000	.03702
	GRADIENT	.04589	.00134	-.00017	.04657	-.00240	-.00005	.00024	.00073	-.00948	.00005

RUN NO. 55/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-1.020	.030	.02230	.04090	-.00220	.02230	.04095	-.00230	.00230	.02400	.87100	.03635
-1.020	2.100	.11780	.04160	-.00220	.11970	.03732	-.00240	.00240	.02600	.84100	.03629
-1.020	4.150	.21150	.04620	-.00250	.21420	.03081	-.00270	.00270	.02800	.83800	.03633
-1.020	6.240	.31020	.05450	-.00270	.31430	.02050	-.00270	.00290	.03000	.83700	.03607
	GRADIENT	.04592	.00128	-.00007	.04658	-.00246	-.00010	.00010	.00057	-.00802	-.00001

RUN NO. 56/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.000	.010	.02070	.04120	-.00180	.02070	.04121	-.00120	.00120	.00800	.86600	.03619
.000	2.100	.21230	.04250	-.00200	.21510	.03815	-.00140	.00120	.00900	.84000	.03601
.000	4.160	.30660	.04570	-.00230	.31070	.03120	-.00130	.00130	.01000	.83800	.03604
.000	6.220	.30660	.05450	-.00270	.31070	.02101	-.00140	.00130	.01200	.83700	.03586
	GRADIENT	.04617	.00132	-.00012	.04684	-.00241	-.00002	.00002	.00048	-.00676	-.00004

OA163B B6C12G20M16N28W127E5F10V8R5X911

(RFPF06) (21 FEB 77)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0495

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = 16.300
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 57/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.000	.020	.02220	.04100	-.00250	.02230	.04101	-.00010	.00050	-.00900	.87600	.03680
1.000	2.080	.11610	.04250	-.00250	.11750	.03829	-.00010	.00010	-.00900	.84200	.03567
1.000	4.150	.21170	.04650	-.00240	.21450	.03106	.00000	.00000	-.00800	.83800	.03619
1.000	6.240	.30860	.05450	-.00280	.31270	.02064	.00000	.00000	-.00700	.83700	.03587
	GRADIENT	.04588	.00133	-.00002	.04654	-.00241	.00002	-.00012	.00024	-.00920	-.00015

RUN NO. 58/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.980	.010	.02320	.04020	-.00340	.02320	.04026	.00060	.00020	-.02600	.88900	.03728
1.980	2.110	.11950	.04180	-.00340	.12090	.03735	.00070	.00070	-.02600	.84400	.03613
1.980	4.160	.21550	.04660	-.00340	.21830	.03081	.00080	.00100	-.02600	.84000	.03633
1.980	6.240	.31060	.05450	-.00390	.31470	.02041	.00090	.00160	-.02400	.83900	.03614
	GRADIENT	.04634	.00154	.00000	.04701	-.00227	.00005	-.00019	.00000	-.01185	-.00023

RUN NO. 59/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
2.980	.010	.02580	.04000	-.00440	.02580	.04008	.00130	.00090	-.04300	.89800	.03693
2.980	2.100	.12050	.04120	-.00470	.12200	.03678	.00180	.00180	-.04400	.84800	.03639
2.980	4.150	.21600	.04560	-.00470	.21870	.02982	.00200	.00240	-.04400	.84200	.03650
2.980	6.230	.31470	.05390	-.00580	.31870	.01948	.00230	.00320	-.04300	.84100	.03654
	GRADIENT	.04594	.00135	-.00007	.04659	-.00248	.00017	-.00036	-.00024	-.01356	-.00008

RUN NO. 60/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
4.060	.020	.02900	.03900	-.00530	.02900	.03902	.00280	.00180	-.06200	.90200	.03660
4.060	2.090	.12310	.03990	-.00560	.12450	.03547	.00290	.00280	-.06200	.85100	.03679
4.060	4.160	.21860	.04540	-.00660	.22130	.02944	.00320	.00380	-.06300	.84300	.03688
4.060	6.230	.31470	.05260	-.00800	.31850	.01813	.00360	.00480	-.06300	.84300	.03752
	GRADIENT	.04580	.00155	-.00031	.04645	-.00231	.00010	-.00048	-.00024	-.01377	.00007

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OA163B - FORCE SOURCE DATA TABULATION

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(RFPF06) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XC
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

RUN NO. 61/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
5.010	.050	.03210	.03720	-.00710	.03210	.03725	.00430	-.00300	-.08100	.91500	.03711
5.010	2.090	.12660	.03860	-.00800	.12790	.03404	.00440	-.00440	-.08100	.85700	.03758
5.010	4.160	.22070	.04420	-.00920	.22330	.02808	.00450	-.00540	-.08100	.84900	.03807
5.010	6.250	.31960	.05210	-.01010	.32340	.01697	.00480	-.00650	-.08100	.84500	.03787
	GRADIENT	.04589	.00171	-.00051	.04652	-.00223	.00005	-.00058	.00000	-.01603	.00023

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = 16.300
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

OA163B B68C12G20M16N28W127E5F10V8R5X911

(RFPF07) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

RUN NO. 62/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-5.050	.000	-.00220	.03760	.01710	-.00220	.03769	-.00580	.00570	.10100	3.61000	.03869
-5.050	2.070	.09020	.03870	.01710	.09150	.03504	-.00590	.00680	.10200	.76500	.03856
-5.050	4.130	.18460	.04220	.01690	.18720	.02886	-.00580	.00810	.10200	.80100	.03796
-5.050	6.190	.28030	.04760	.01500	.28380	.01715	-.00620	.00900	.10400	.81400	.03960
	GRADIENT	.04523	.00111	-.00005	.04586	-.00214	-.00000	.00058	.00024	-.68071	-.00018

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 26.000 THETML = 4.000
 PHI-MR = 26.000 THETMR = 4.000

RUN NO. 63/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.020	.000	-.01200	.04230	.01990	-.01200	.04236	-.00300	.00270	.04700	1.44000	.03810
-2.030	2.070	.08130	.04250	.02040	.08280	.03958	-.00300	.00330	.04700	.74300	.03803
-2.020	4.120	.17670	.04550	.01990	.17950	.03275	-.00310	.00360	.04900	.79300	.03805
-2.030	6.190	.27220	.05140	.01950	.27500	.02178	-.00310	.00420	.05000	.80800	.03740
	GRADIENT	.04580	.00078	.00000	.04648	-.00233	-.00002	.00022	.00048	-.15733	-.00001

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 26.000 THETML = 4.000
 PHI-MR = 26.000 THETMR = 4.000

0A163B 868C12020M16N26W127E5F10V8R5X911

(RFPF07) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 26.000 THETML = 4.000
 PHI-MR = 26.000 THETMR = 4.000

RUN NO. 64/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-1.030	.000	-.01180	.04330	.02070	-.01180	.04336	-.00220	.00220	.02700	1.47600	.03765
-1.030	2.080	.08200	.04340	.02120	.08360	.04042	-.00220	.00230	.02900	.74000	.03733
-1.030	4.120	.17470	.04620	.02160	.17760	.03352	-.00230	.00270	.03000	.78900	.03679
-1.040	6.200	.27080	.05250	.02100	.27480	.02293	-.00230	.00290	.03000	.80600	.03634
	GRADIENT	.04527	.00070	.00022	.04597	-.00239	-.00002	.00012	.00073	-.16736	-.00021

RUN NO. 65/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-.010	.000	-.01230	.04330	.02080	-.01230	.04335	-.00150	.00110	.01000	1.45400	.03794
-.010	2.050	.07960	.04340	.02160	.08110	.04060	-.00150	.00120	.01100	.73600	.03715
-.010	4.120	.17440	.04640	.02180	.17730	.03375	-.00150	.00120	.01100	.78900	.03683
-.010	6.200	.27010	.05240	.02200	.27420	.02299	-.00140	.00120	.01200	.80400	.03578
	GRADIENT	.04532	.00075	.00024	.04602	-.00233	.00000	.00002	.00024	-.16110	-.00027

RUN NO. 66/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.980	.000	-.01230	.04310	.02080	-.01230	.04319	-.00090	.00050	-.00800	1.45500	.03818
.980	2.080	.08210	.04370	.02140	.08360	.04070	-.00090	.00010	-.00700	.73900	.03737
.980	4.120	.17620	.04670	.02200	.17910	.03394	-.00070	.00010	-.00700	.78900	.03641
.930	6.200	.27010	.05280	.02160	.27420	.02334	-.00060	.00010	-.00600	.80500	.03596
	GRADIENT	.04575	.00087	.00029	.04646	-.00224	.00005	-.00010	.00024	-.16225	-.00043

RUN NO. 67/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.980	.010	-.01020	.04320	.02060	-.01020	.04323	-.00060	.00000	-.02500	1.57400	.03784
1.980	2.080	.08290	.04350	.02110	.08450	.04045	-.00050	.00050	-.02500	.74200	.03710
1.980	4.120	.17510	.04650	.02110	.17800	.03389	-.00020	.00080	-.02500	.79000	.03635
1.980	6.200	.27170	.05270	.02070	.27580	.02307	.00000	.00140	-.02300	.80600	.03596
	GRADIENT	.04508	.00080	.00012	.04579	-.00227	.00010	-.00019	-.00000	-.19127	-.00036

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OA163B - FORCE SOURCE DATA TABULATION

(RFPF08) (21 FEB 77)

OA163B B68C12G20M16N28W127E5F10V8R5X911

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDRK =
 ELV-L =
 PHI-N =
 PHI-ML =
 PHI-MR =

RUN NO. 68/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-5.030	.000	-.00060	.03750	.01700	-.00060	.03756	-.00590	.00570	.10100	10.27000	.03902
-5.040	2.090	.09270	.03850	.01720	.09400	.03511	-.00590	.00690	.10200	.76600	.03887
-5.030	4.130	.18630	.04200	.01670	.18890	.02853	-.00590	.00800	.10400	.80100	.03843
-5.030	6.210	.28040	.04790	.01480	.28390	.01732	-.00610	.00920	.10400	.81500	.03969
	GRADIENT	.04525	.00109	-.00007	.04588	-.00218	.00000	.00056	.00073	-2.30194	-.00014

RUN NO. 69/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.020	.000	-.01150	.04280	.01980	-.01150	.04287	-.00290	.00290	.04600	1.46400	.03811
-2.020	2.060	.08360	.04300	.01990	.08510	.03997	-.00290	.00330	.04800	.74800	.03774
-2.020	4.120	.17680	.04570	.02000	.17960	.03286	-.00300	.00380	.04900	.79300	.03790
-2.020	6.200	.27230	.05200	.01970	.27630	.02224	-.00310	.00440	.04900	.80800	.03703
	GRADIENT	.04570	.00070	.00005	.04638	-.00243	-.00002	.00022	.00073	-.16286	-.00005

RUN NO. 70/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-1.020	.000	-.01080	.04380	.02050	-.01080	.04384	-.00220	.00210	.02800	1.52900	.03757
-1.010	2.070	.08260	.04360	.02110	.08410	.04061	-.00230	.00230	.02800	.74200	.03734
-1.020	4.140	.17630	.04670	.02130	.17920	.03389	-.00230	.00250	.02900	.79000	.03678
-1.020	6.210	.27360	.05290	.02110	.27780	.02301	-.00230	.00280	.03100	.80600	.03643
	GRADIENT	.04519	.00070	.00019	.04589	-.00240	-.00002	.00010	.00024	-.17850	-.00019

RUN NO. 71/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.010	-.010	-.01460	.04340	.02060	-.01460	.04349	-.00170	.00120	.01000	1.35200	.03792
.000	2.050	.08120	.04400	.02150	.08270	.04107	-.00150	.00130	.01000	.73800	.03712
.010	4.120	.17540	.04670	.02180	.17830	.03401	-.00130	.00140	.01100	.78900	.03643
.010	6.200	.27210	.05290	.02160	.27620	.02322	-.00130	.00120	.01200	.80500	.03546
	GRADIENT	.04600	.00080	.00029	.04671	-.00230	.00010	.00005	.00024	-.13619	-.00036

OAI63B B68C12020M16N28W127E5F10V8R5X911

(RFPF08) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0405

PARAMETRIC DATA

SPORRK = 25.000 BOFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 72/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.000	.000	-.01180	.04360	.02070	-.01180	.04366	-.00100	.00060	-.00800	1.47800	.03773
1.000	2.060	.08200	.04370	.02140	.08360	.04071	-.00090	.00040	-.00700	.74000	.03721
1.000	4.140	.17530	.04700	.02180	.17830	.03426	-.00070	.00000	-.00600	.78900	.03664
1.000	6.200	.27140	.05300	.02180	.27550	.02337	-.00040	-.00010	-.00600	.80500	.03601
	GRADIENT	.04519	.00082	.00027	.04592	-.00227	.00007	-.00015	.00048	-.16612	-.00026

RUN NO. 73/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.990	.000	-.01070	.04340	.02070	-.01070	.04341	-.00060	.00000	-.02500	1.54300	.03754
1.990	2.070	.08280	.04330	.02080	.08440	.04031	-.00030	-.00060	-.02500	.74300	.03746
1.980	4.130	.17650	.04670	.02100	.17950	.03393	-.00030	-.00090	-.02400	.79100	.03692
1.980	6.200	.27330	.05290	.02050	.27740	.02309	.00000	-.00160	-.02400	.80700	.03612
	GRADIENT	.04533	.00080	.00007	.04605	-.00229	.00007	-.00022	.00024	-.18225	-.00015

RUN NO. 74/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
5.010	.030	-.00520	.03930	.01730	-.00520	.03939	.00200	-.00250	-.08200	2.05300	.03856
5.020	2.060	.08560	.03970	.01740	.08700	.03663	.00220	-.00390	-.08200	.76000	.03823
5.020	4.120	.18200	.04310	.01710	.18470	.02989	.00240	-.00470	-.08100	.80000	.03783
5.010	6.200	.27790	.04930	.01530	.28160	.01907	.00260	-.00600	-.07800	.81400	.03779
	GRADIENT	.04577	.00093	-.00005	.04643	-.00233	.00010	-.00054	.00025	-.30555	-.00018

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OAI63B - FORCE SOURCE DATA TABULATION

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OAI63B B68C12G20M16N28M127E5F10V8R5X911

(RFPF09) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDRBK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 36.000 THETMR = 5.600

RUN NO. 75/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-5.030	.000	-.00290	.03760	.01640	-.00290	.03762	-.00550	.00560	.10100	2.90000	.03939
-5.030	2.080	.09150	.03960	.01700	.09280	.03626	-.00573	.00690	.10300	.76700	.03808
-5.040	4.130	.18580	.04240	.01660	.18840	.02892	-.00580	.00810	.10400	.80100	.03844
-5.030	6.220	.28180	.04870	.01480	.28550	.01785	-.00590	.00920	.10400	.81500	.03945
	GRADIENT	.04569	.00116	.00005	.04632	-.00210	-.00007	.00051	.00073	-.50949	-.00023

RUN NO. 76/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.010	.000	-.01030	.04300	.02000	-.01030	.04305	-.00280	.00290	.04600	1.54300	.03784
-2.010	2.080	.08360	.04330	.02020	.08510	.04026	-.00280	.00340	.04700	.74600	.03777
-2.010	4.140	.17830	.04590	.02010	.18120	.03288	-.00290	.00390	.04800	.79300	.03776
-2.010	6.200	.27340	.05210	.01950	.27750	.02221	-.00290	.00450	.04900	.80800	.03755
	GRADIENT	.04555	.00070	.00002	.04626	-.00245	-.00002	.00324	.00048	-.18149	-.00002

RUN NO. 77/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-1.020	.000	-.01310	.04360	.02020	-.01310	.04365	-.00230	.00200	.02900	1.40200	.03788
-1.020	2.060	.08110	.04330	.02090	.08270	.04043	-.00210	.00220	.02900	.74100	.03757
-1.020	4.140	.17650	.04690	.02140	.17940	.03405	-.00220	.00260	.03000	.79000	.03681
-1.020	6.210	.27330	.05310	.02140	.27750	.02326	-.00220	.00290	.03200	.80500	.03626
	GRADIENT	.04580	.00080	.00029	.04650	-.00232	-.00002	.00015	.00024	-.14755	-.00026

RUN NO. 78/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.000	.000	-.01290	.04380	.02070	-.01290	.04388	-.00160	.00110	.01000	1.42300	.03788
.000	2.090	.08290	.04390	.02140	.08440	.04090	-.00140	.00110	.01000	.74000	.03721
.000	4.140	.17640	.04700	.02190	.17940	.03413	-.00140	.00110	.01100	.78900	.03647
.000	6.210	.27240	.05310	.02180	.27660	.02329	-.00130	.00130	.01200	.80500	.03579
	GRADIENT	.04573	.00077	.00029	.04645	-.00235	-.00005	.00000	.00024	-.15370	-.00034

OAI63B B6BC12G20M16N28W127E5F10V8R5X911

(RFPF09) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

SPDBRK =
 ELV-L =
 PHI-N =
 PHI-ML =
 PHI-MR =

25.000 BOFLAP = .000
 .000 ELV-R = .000
 66.000 THETAN = 108.000
 32.200 THETML = 5.000
 36.000 THETMR = 5.600

PARAMETRIC DATA

RUN NO. 79/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA

1.000 ALPHA
 1.000 .010
 1.000 2.070
 1.000 4.120
 1.000 6.190
 GRADIENT

CL
 -.01500
 .08110
 .17570
 .27080
 .04617

CDF
 .04370
 .04420
 .04660
 .05320
 .00070

CLM
 .02090
 .02120
 .02210
 .02180
 .00029

CN
 -.01500
 .08270
 .17860
 .27500
 .04688

CAF
 .04373
 .04126
 .03388
 .02364
 -.00238

CYN
 -.00100
 -.00090
 -.00060
 -.00060
 .00010

CY
 -.00800
 -.00700
 -.00700
 -.00500
 .00024

XCP/L
 1.34700
 .73900
 .78800
 .80500
 -.13573

CAB
 .03768
 .03723
 .03692
 .03588
 -.00018

RUN NO. 80/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA

1.930 ALPHA
 1.930 .000
 1.930 2.060
 1.930 4.120
 1.930 6.210
 GRADIENT

CL
 -.01180
 .08070
 .17710
 .27290
 .04585

CDF
 .04310
 .04330
 .04660
 .05310
 .00085

CLM
 .02060
 .02070
 .02130
 .02070
 .00017

CN
 -.01180
 .08220
 .18000
 .27710
 .04655

CAF
 .04311
 .04046
 .03377
 .02324
 -.00227

CYN
 -.00070
 -.00030
 -.00020
 -.00140
 -.00019

CY
 -.02600
 -.02500
 -.02400
 -.02400
 .00049

XCP/L
 1.47700
 .74100
 .79000
 .80600
 -.16675

CAB
 .03763
 .03732
 .03678
 .03632
 -.00021

RUN NO. 81/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA

5.020 ALPHA
 5.020 .000
 5.020 2.060
 5.020 4.130
 5.020 6.200
 GRADIENT

CL
 -.00730
 .08690
 .18260
 .27720
 .04598

CDF
 .03940
 .03960
 .04300
 .04870
 .00087

CLM
 .01720
 .01740
 .01630
 .01480
 -.00022

CN
 -.00730
 .08830
 .18530
 .28080
 .04663

CAF
 .03946
 .03647
 .02978
 .01853
 -.00234

CYN
 .00220
 .00220
 .00230
 .00270
 .00002

CY
 -.08300
 -.08300
 -.08100
 -.08000
 .00048

XCP/L
 1.69300
 .76100
 .80100
 .81400
 -.21579

CAB
 .03817
 .03821
 .03849
 .03867
 .00008

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OAI63B - FORCE SOURCE DATA TABULATION

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(RFPF10) (21 FEB 77)

OAI63B B68C12G20M13N28W127E5F10V8R5X911

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BOFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 26.000 THETMR = 4.000

RUN NO. 83/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-5.030	.000	-.00340	.03830	.01660	-.00340	.03832	-.00570	.00570	.10100	2.60300	.03836
-5.040	2.080	.09090	.03910	.01710	.09230	.03585	-.00590	.00700	.10300	.76600	.03822
-5.040	4.160	.18510	.04190	.01650	.18770	.02840	-.00580	.00800	.10300	.80200	.03886
-5.040	6.210	.28100	.04800	.01460	.28450	.01732	-.00620	.00910	.10400	.81500	.03968
	GRADIENT	.04531	.00087	-.00002	.04594	-.00238	-.00002	.00055	.00048	-.43293	.00012

RUN NO. 84/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.020	.000	-.01030	.04260	.02000	-.01040	.04260	-.00290	.00300	.04600	1.54200	.03807
-2.020	2.070	.08500	.04280	.02030	.08650	.03971	-.00290	.00340	.04700	.74700	.03830
-2.010	4.120	.17860	.04590	.02040	.18150	.03301	-.00290	.00390	.04700	.79200	.03760
-2.010	6.200	.27320	.05180	.01950	.27720	.02198	-.00310	.00440	.04900	.80800	.03731
	GRADIENT	.04585	.00080	.00010	.04658	-.00233	.00000	.00022	.00024	-.18237	-.00011

RUN NO. 85/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-1.990	.000	-.01190	.04330	.02070	-.01190	.04338	-.00230	.00200	.02800	1.47600	.03789
-1.990	2.070	.08170	.04380	.02140	.08320	.04085	-.00220	.00230	.02800	.73900	.03723
-1.990	4.130	.17530	.04660	.02180	.17820	.03390	-.00220	.00270	.02900	.78900	.03626
-1.000	6.220	.27310	.05300	.02140	.27730	.02308	-.00230	.00270	.03100	.80500	.03596
	GRADIENT	.04533	.00080	.00027	.04603	-.00229	.00002	.00017	.00024	-.16650	-.00039

RUN NO. 86/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-0.10	.000	-.01230	.04370	.02090	-.01230	.04373	-.00150	.00120	.00900	1.45500	.03783
-0.10	2.060	.08180	.04370	.02170	.08330	.04079	-.00140	.00130	.00900	.73800	.03697
-0.10	4.120	.17440	.04680	.02220	.17730	.03420	-.00120	.00130	.00900	.78800	.03647
-0.10	6.190	.27070	.05310	.02180	.27490	.02366	-.00120	.00130	.01100	.80500	.03543
	GRADIENT	.04532	.00075	.00032	.04602	-.00231	.00007	.00002	.00000	-.16189	-.00033

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OAI63B - FORCE SOURCE DATA TABULATION

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OAI63B B68C12020M16N28W127E5F10VBR5X911

(RFPF10) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 26.000 THETMR = 4.000

RUN NO. 87/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.990	.000	-.01180	.04330	.02100	-.01180	.04337	-.00100	.00060	-.00900	1.48900	.03750
.990	2.060	.08060	.04390	.02160	.08220	.04104	-.00100	.00060	-.00800	.73700	.03692
.990	4.120	.17610	.04720	.02220	.17900	.03449	-.00060	.00000	-.00800	.78800	.03607
.990	6.190	.27100	.05310	.02170	.27520	.02362	-.00050	-.00010	-.00800	.80500	.03579
	GRADIENT	.04561	.00095	.00029	.04631	-.00216	.00010	-.00015	.00024	-.17015	-.00035

RUN NO. 88/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
1.990	.000	-.01070	.04310	.02060	-.01070	.04319	-.00050	.00000	-.02700	1.54300	.03757
1.990	2.070	.08360	.04370	.02100	.08510	.04065	-.00040	-.00040	-.02600	.74300	.03720
1.990	4.120	.17820	.04670	.02140	.18110	.03375	-.00020	-.00080	-.02500	.79000	.03681
1.990	6.220	.27490	.05300	.02090	.27910	.02296	-.00000	-.00120	-.02600	.80600	.03653
	GRADIENT	.04585	.00087	.00019	.04655	-.00229	.00007	-.00019	.00049	-.18310	-.00018

RUN NO. 89/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
5.020	.000	-.00350	.03950	.01740	-.00350	.03955	.00200	-.00260	-.08200	2.63300	.03821
5.020	2.060	.08830	.03980	.01780	.08960	.03665	.00220	-.00350	-.08300	.76100	.03809
5.020	4.120	.18240	.04290	.01720	.18500	.02967	.00240	-.00480	-.08100	.80000	.03823
5.020	6.200	.27980	.04920	.01520	.28350	.01874	.00270	-.00600	-.08100	.81400	.03832
	GRADIENT	.04512	.00083	-.00005	.04575	-.00240	.00010	-.00053	.00024	-.44490	.00000

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OAI63B - FORCE SOURCE DATA TABULATION

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(RFPF11) (21 FEB 77)

OAI63B B68C12G20M16N28W127E5F10VBR5X911

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 88.000 THETML = 98.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 90/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-5.030	.000	.00180	.01630	.00180	.04657	-.00690	.00560	.10100	-2.34300	.03852
-5.030	2.050	.09440	.01630	.09600	.04375	-.00700	.00690	.10200	.77100	.03804
-5.030	4.130	.18760	.01630	.19070	.03648	-.00700	.00790	.10100	.80200	.03847
-5.030	6.190	.28260	.01490	.28710	.02576	-.00720	.00900	.10300	.81500	.03925
	GRADIENT	.04499	.00000	.04574	-.00245	-.00002	.00056	-.00000	.75968	-.00001

RUN NO. 91/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-2.010	.000	-.00620	.01890	-.00620	.05205	-.00380	.00300	.04400	1.94300	.03767
-2.010	2.060	.08670	.01940	.08850	.04862	-.00400	.00320	.04500	.75300	.03807
-2.010	4.100	.17990	.01950	.18330	.04127	-.00410	.00370	.04600	.79500	.03780
-2.030	6.170	.27450	.01910	.27940	.03064	-.00410	.00420	.04500	.80900	.03597
	GRADIENT	.04539	.00015	.04622	-.00263	-.00007	.00017	.00049	-.28049	.00003

RUN NO. 92/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
-1.000	-.020	-.00920	.01960	-.00930	.05262	-.00310	.00200	.02600	1.61000	.03770
-1.010	2.030	.08450	.02020	.08630	.04963	-.00300	.00220	.02400	.74800	.03747
-1.010	4.110	.17940	.02080	.18290	.04262	-.00310	.00260	.02400	.79200	.03660
-1.010	6.170	.27430	.02070	.27930	.03156	-.00340	.00270	.02600	.80700	.03618
	GRADIENT	.04567	.00029	.04654	-.00242	-.00000	.00015	-.00048	-.19753	-.00027

RUN NO. 93/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	CL	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
.010	-.030	-.00920	.02030	-.00920	.05313	-.00240	.00110	.00600	1.64100	.03764
.010	2.030	.08340	.02020	.08530	.05001	-.00230	.00100	.00600	.74700	.03711
.010	4.100	.17940	.02140	.18300	.04268	-.00240	.00130	.00600	.79100	.03672
.010	6.170	.27340	.02130	.27850	.03207	-.00240	.00120	.00600	.80600	.03567
	GRADIENT	.04567	.00027	.04654	-.00253	-.00000	.00005	-.00000	-.20563	-.00022

DATE 25 APR 77

OAI63B - FORCE SOURCE DATA TABULATION

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OAI63B B68C12020M16N28H127ESF10VBR5X911

(RFPF11) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDRBK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 88.000 THETML = 98.000
 PHI-MR = 32.200 THETMR = 5.000

BETA
 1.010 ALPHA
 1.010 CL
 1.010 CDF
 1.010 CLM
 1.010 CN
 1.010 CYN
 1.010 CBL
 1.010 CAB

BETA
 1.990 ALPHA
 1.990 CL
 2.000 CDF
 2.000 CLM
 2.000 CN
 2.000 CYN
 2.000 CBL
 2.000 CAB

BETA
 5.040 ALPHA
 5.030 CL
 5.030 CDF
 5.030 CLM
 5.030 CN
 5.030 CYN
 5.030 CBL
 5.030 CAB

RUN NO. 95/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 96/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 97/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 98/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

DATE 25 APR 77

OAI638 - FORCE SOURCE DATA TABULATION

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OAI638 B68C12020M16N28M127E5F10V8R5X921

(RFPF12) (21 FEB 77)

REFERENCE DATA

SREF = 269D.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = 5.000 ELV-R = 5.000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 50/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CL	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
4.180	-5.050	.26630	-.02300	.26900	.02910	-.00810	.00820	.10500	.86500	.04068
4.170	-4.020	.26480	-.02120	.26760	.02921	-.00690	.00650	.08700	.86300	.04037
4.180	-2.970	.26050	-.01970	.26340	.03032	-.00540	.00510	.06800	.86200	.04044
4.170	-2.040	.26020	-.01850	.26320	.03134	-.00400	.00380	.04800	.86000	.04000
4.180	-1.040	.25790	-.01710	.26090	.03190	-.00290	.00260	.03000	.85800	.03906
4.170	-.020	.25880	-.01670	.26180	.03187	-.00160	.00120	.01200	.85700	.03874
4.170	.970	.25840	-.01630	.26140	.03214	-.00060	.00020	-.00600	.85700	.03865
4.170	1.970	.25890	-.01740	.26190	.03141	.00070	-.00100	-.02500	.85900	.03934
4.170	2.990	.26120	-.01880	.26420	.03077	.00190	-.00240	-.04400	.86000	.03956
4.170	4.050	.26210	-.02060	.26500	.02982	.00330	-.00380	-.06200	.86300	.03939
4.170	5.000	.26430	-.02270	.26710	.02861	.00470	-.00550	-.08100	.86500	.03987
	GRADIENT	.00009	-.00008	.00009	-.00008	.00125	-.00129	-.01852	.00017	-.00008

OA163B B68C12G20M16N28M127E5F10V8R5X921

(RFPF13) (21 FEB 77)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 336.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 36.000 THETMR = 5.600

RUN NO. 82/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
4.120	-5.030	.18320	.04320	.01610	.18580	.02989	-.00590	.00800	.10500	.80200	.03853
4.120	-4.040	.18030	.04450	.01700	.18300	.03144	-.00490	.00570	.08600	.80000	.03868
4.120	-2.950	.17890	.04590	.01840	.18170	.03293	-.00390	.00500	.06900	.79700	.03802
4.120	-2.010	.17770	.04650	.01920	.18060	.03367	-.00290	.00380	.04900	.79500	.03764
4.120	-1.020	.17570	.04680	.02080	.17870	.03408	-.00230	.00240	.03100	.79100	.03691
4.120	.000	.17540	.04680	.02140	.17830	.03412	-.00130	.00140	.01000	.79000	.03695
4.120	1.020	.17650	.04710	.02150	.17940	.03430	-.00060	.00000	-.00700	.79000	.03676
4.120	2.000	.17530	.04700	.02060	.17830	.03426	-.00020	.00100	-.02500	.79100	.03656
4.120	2.990	.17680	.04560	.01940	.17970	.03280	.00060	-.00230	-.04400	.79400	.03751
4.120	4.070	.17870	.04480	.01810	.18140	.03192	.00150	-.00360	-.06200	.79700	.03767
4.120	5.030	.18160	.04300	.01650	.18420	.02989	.00240	-.00500	-.08100	.80100	.03827
GRADIENT		-.00027	.00003	.00018	-.00027	.00005	.00077	-.00125	-.01851	-.00049	-.00013

OA163B B68C12G20M16N28M127E5F10V8R5X911

(RFPF01) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 336.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 1/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CL	CDF	CLM	CN	CAF	CYN	CBL	CY	XCP/L	CAB
4.120	-5.060	.18320	.04320	.01610	.18580	.02989	-.00590	.00800	.10500	.80200	.03853
4.120	-4.040	.18030	.04450	.01700	.18300	.03144	-.00490	.00570	.08600	.80000	.03868
4.120	-2.950	.17890	.04590	.01840	.18170	.03293	-.00390	.00500	.06900	.79700	.03802
4.120	-2.010	.17770	.04650	.01920	.18060	.03367	-.00290	.00380	.04900	.79500	.03764
4.120	-1.020	.17570	.04680	.02080	.17870	.03408	-.00230	.00240	.03100	.79100	.03691
4.120	.000	.17540	.04680	.02140	.17830	.03412	-.00130	.00140	.01000	.79000	.03695
4.120	1.020	.17650	.04710	.02150	.17940	.03430	-.00060	.00000	-.00700	.79000	.03676
4.120	2.000	.17530	.04700	.02060	.17830	.03426	-.00020	.00100	-.02500	.79100	.03656
4.120	2.990	.17680	.04560	.01940	.17970	.03280	.00060	-.00230	-.04400	.79400	.03751
4.120	4.070	.17870	.04480	.01810	.18140	.03192	.00150	-.00360	-.06200	.79700	.03767
4.120	5.030	.18160	.04300	.01650	.18420	.02989	.00240	-.00500	-.08100	.80100	.03827
GRADIENT		-.00027	.00003	.00018	-.00027	.00005	.00077	-.00125	-.01851	-.00049	-.00013

OA163B B68C12G20M16N28W127E5F10V8R5X911

(RFPHOI) (21 FEB 77)

REFERENCE DATA

SREF	-	2690.0000
LREF	-	474.8100
BREF	-	936.6800
SCALE	-	.0405

SPDBRK -
ELV-L -
PHI-N -
PHI-ML -
PHI-MR -

25.000	BDFLAP	-	.000
.000	ELV-R	-	.000
30.800	THETAN	-	5.000
32.200	THETML	-	5.000
32.200	THETMR	-	5.000

PARAMETRIC DATA

RUN NO.	2/ 0	RN/L = 1.19	GRADIENT INTERVAL = -5.00/ 5.00
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BETA
-4.040
-4.040
-4.040
-4.040
-4.040
-4.040

ALPHA	Q(PSF)	%O
-2.050	43.02000	2119.25000
0.070	42.82000	2119.22000
2.020	42.73000	2119.17001
4.140	42.76000	2119.19000
6.190	42.81000	2119.23001
8.280	42.75000	2119.07001
GRADIENT	-0.04219	-0.1114

CHEI
.000000
.000000
.000000
.000000
.000000
.000000
.000000

CHCO
.00000
.00000
.00000
.00000
.00000
.00000
.00000

CHMND
00410
00360
00350
00350
00410
00450
00009

CHMS
- .00140
- .00130
- .00130
- .00130
- .00130
- .00120
- .00001

CHMMS
- .01440
- .01200
- .01050
- .01020
- .00850
- .00690
- .00068

RUN NO.	3/ 0	RN/L =	1.19	GRADIENT	INTERVAL =	-5.00/	5.00
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BETA
-2.960
-2.960
-2.960
-2.960
-2.960
-2.960

ALPHA	Q(PSF)	PO
-2.060	43.21000	2119.23001
0.010	42.91000	2119.23001
2.050	42.74000	2119.19000
4.140	42.83000	2119.17999
6.200	42.79000	2119.28000
8.280	43.07000	2119.14001
GRADIENT	-0.63335	-0.00920

CHEI
.000000
.000000
.000000
.000000
.000000
.000000
.000000
.000000

CHCO
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000

CHMND	
—	.00280
—	.00200
—	.00200
—	.00240
—	.00250
—	.00310
—	.00005

CHMNS
--.00119
--.00110
--.00120
--.00130
--.00120
--.00120
--.00003

CHMS
- .00940
- .01280
- .01190
- .01100
- .00990
- .00600
- .00019

RUN NO.	4/ 0	RN/1	1.19	GRADIENT	INTERVAL	-5.00/	5.00
1							
2							
3							
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80							
81							

BETA
-2.010
-2.010
-2.010
-2.020
-2.020
-2.020

ALPHA	Q(PSF)	PO
-2.080	42.91000	2115.000000
-0.010	42.90000	2115.000000
2.050	42.83000	2115.000000
4.140	42.74000	2114.829999
6.220	42.71000	2114.870000
8.280	42.86000	2114.910000
GRADIENT	-0.02801	-0.02467

CHEI
.000000
.000000
.000000
.000000
.000000
.000000
.000000

CHCO
.00000
.00000
.00000
.00000
.00000
.00000
.00000

CHMND
--.00100
--.00110
--.00070
--.00110
--.00120
--.00130
--.00000

CHMNS
- .00070
- .00080
- .00090
- .00100
- .00100
- .00110
- .00005

CHMS
- . 00850
- . 01590
- . 01230
- . 01130
- . 01040
- . 00830
- . 00023

RUN NO.	5/ 0	RN/L = 1.19	GRADIENT INTERVAL = -5.00/ 5.00
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BETA
-1.020
-1.020
-1.020
-1.020
-1.030
-1.030

ALPHA	Q(PSF)	PO
-2.080	43.07000	2114.98001
0.010	42.80000	2115.01001
2.070	42.80000	2114.98001
4.130	42.97000	2115.01001
6.180	42.83000	2115.01999
8.260	43.03000	2114.97000
GRADIENT	-0.01582	0.02991

CHEI
.00000
.00000
.00000
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.00000
.00000

CHCO
00000
00000
00000
00000
00000
00000
00000

CHMND
 .00000
 .00040
 .00050
 .00020
 .00020
 .00000
 .00003

CHMS
- .00070
- .00080
- .00080
- .00080
- .00090
- .00090
- .00001

CHMMS
- .00660
- .01010
- .01290
- .01200
- .01120
- .00910
- .00092

OAI63B 868C12620M16N28M127E5F10V8R5X911

(RFP01) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0405

SPDBRK = 25.000 BOFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

PARAMETRIC DATA

RUN NO. 6/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMS
.000	-2.050	43.21000	2113.60001	.00000	.00000	.00130	.00080	.00420
.000	.000	43.28000	2113.59000	.00000	.00000	.00160	.00080	.00870
.000	2.060	43.35000	2113.62000	.00000	.00000	.00180	.00070	.01480
.000	4.110	43.48000	2113.56000	.00000	.00000	.00150	.00080	.01150
.000	6.200	43.57000	2113.48001	.00000	.00000	.00150	.00080	.01100
.000	8.280	43.62000	2113.69000	.00000	.00000	.00150	.00080	.01000
	GRADIENT	.04284	-.00438	.00000	.00000	.00004	.00000	.00317

RUN NO. 7/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMS
1.000	-2.060	43.70000	2113.60001	.00000	.00000	.00200	.00110	.00350
1.000	.000	43.75000	2113.54001	.00000	.00000	.00240	.00110	.00560
1.000	2.060	43.81000	2113.60001	.00000	.00000	.00250	.00090	.01030
1.000	4.110	43.85000	2113.53000	.00000	.00000	.00230	.00090	.01240
1.000	6.190	43.89000	2113.51001	.00000	.00000	.00240	.00100	.01170
1.000	8.260	43.94000	2113.57001	.00000	.00000	.00230	.00110	.01040
	GRADIENT	.02480	-.00728	.00000	.00000	.00005	.00004	.00153

RUN NO. 8/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMS
1.980	-2.070	44.00000	2113.62000	.00000	.00000	.00220	.00120	.00310
1.980	.010	42.73000	2113.62000	.00000	.00000	.00280	.00120	.00460
1.980	2.060	42.89000	2113.63000	.00000	.00000	.00310	.00120	.00860
1.980	4.120	42.86000	2113.56000	.00000	.00000	.00310	.00110	.01350
1.980	6.180	42.73000	2113.62000	.00000	.00000	.00320	.00120	.01190
1.980	8.280	42.89000	2113.54001	.00000	.00000	.00320	.00090	.01070
	GRADIENT	-.15787	-.00822	.00000	.00000	.00015	.00001	.00171

RUN NO. 9/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMS
2.990	-2.060	42.87000	2113.66000	.00000	.00000	.00220	.00120	.00300
2.990	.000	42.84000	2113.62000	.00000	.00000	.00290	.00120	.00360
2.990	2.080	42.76000	2113.57999	.00000	.00000	.00330	.00120	.00570
2.990	4.120	42.81000	2113.63000	.00000	.00000	.00350	.00110	.01100
2.990	6.200	42.68000	2113.60001	.00000	.00000	.00370	.00130	.00860
2.980	8.260	42.77000	2113.59000	.00000	.00000	.00360	.00140	.01180
	GRADIENT	-.01265	-.00633	.00000	.00000	.00021	.00001	.00126

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OA163B - FORCE SOURCE DATA TABULATION

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(RFP01) (21 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 10/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
4.050	-2.050	43.04000	2113.65000	.00000	.00000	.00230	-.00130	-.01870	-.00270
4.040	.000	42.92000	2113.63000	.00000	.00000	.00330	-.00130	.01530	-.00380
4.040	2.050	42.91000	2113.64999	.00000	.00000	.00390	-.00130	.01100	-.00510
4.050	4.110	42.88000	2113.64001	.00000	.00000	.00400	-.00140	.00770	-.00870
4.050	6.210	42.77000	2113.67001	.00000	.00000	.00410	-.00150	.00150	-.01250
4.050	8.280	42.92000	2113.72000	.00000	.00000	.00420	-.00140	-.00630	-.01190
	GRADIENT	-.02394	-.00195	.00000	.00000	.00028	-.00001	-.00181	-.00094

RUN NO. 11/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
5.010	-2.070	42.88000	2113.59000	.00000	.00000	.00270	-.00140	.02640	-.00290
5.010	.010	42.91000	2113.63000	.00000	.00000	.00340	-.00130	.02250	-.00320
5.010	2.050	42.96000	2113.57001	.00000	.00000	.00400	-.00140	.01770	-.00430
5.010	4.130	42.86000	2113.67001	.00000	.00000	.00430	-.00130	.01360	-.00730
5.010	6.180	42.84000	2113.60001	.00000	.00000	.00450	-.00130	.00940	-.01350
5.010	8.250	42.87000	2113.67001	.00000	.00000	.00430	-.00090	.00120	-.01160
	GRADIENT	-.00052	.00877	.00000	.00000	.00026	.00001	-.00209	-.00069

REFERENCE DATA PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO SPDBRK = 25.000 BDFLAP = .000

LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELV-L = .000 ELV-R = .000

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO PHI-N = 5.000 THETAN = 5.000

SCALE = .0405 PHI-ML = 5.600 THETML = 5.600

 PHI-MR = THETMR =

RUN NO. 12/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-5.050	-2.070	42.84000	2113.66000	.00000	.00000	-.00550	-.00140	-.05890	-.01610
-5.050	.010	42.89000	2113.69000	.00000	.00000	-.00550	-.00150	-.07280	-.01480
-5.050	2.060	42.69000	2113.57001	.00000	.00000	-.00540	-.00140	-.09290	-.01430
-5.050	4.120	42.77000	2113.56000	.00000	.00000	-.00570	-.00130	-.11440	-.01190
-5.050	6.220	42.94000	2113.65000	.00000	.00000	-.00610	-.00130	-.13740	-.01230
-5.050	8.270	42.80000	2113.54001	.00000	.00000	-.00650	-.00140	-.15690	-.01040
GRADIENT		-.01989	-.02036	.00000	.00000	-.00002	.00002	-.00904	-.00063

RUN NO. 13/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-4.040	-2.030	42.87000	2113.64001	.00000	.00000	-.00370	-.00150	-.04890	-.01920
-4.040	.020	42.90000	2113.70001	.00000	.00000	-.00380	-.00140	-.06080	-.01660
-4.040	2.060	42.83000	2113.57999	.00000	.00000	-.00370	-.00140	-.07610	-.01480
-4.040	4.140	42.88000	2113.48001	.00000	.00000	-.00390	-.00140	-.09740	-.01360
-4.040	6.220	42.86000	2113.59000	.00000	.00000	-.00420	-.00140	-.11960	-.00990
-4.050	8.270	42.88000	2113.72000	.00000	.00000	-.00470	-.00130	-.13960	-.01170
GRADIENT		-.00191	-.02923	.00000	.00000	-.00002	.00001	-.00783	-.00096

RUN NO. 14/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-2.970	-2.060	42.75000	2113.60999	.00000	.00000	-.00210	-.00120	-.03800	-.01590
-2.970	.010	42.92000	2113.70999	.00000	.00000	-.00210	-.00120	-.04810	-.01790
-2.970	2.070	42.81000	2113.66000	.00000	.00000	-.00210	-.00130	-.06050	-.01600
-2.970	4.130	42.82000	2113.62000	.00000	.00000	-.00230	-.00130	-.07930	-.01440
-2.970	6.200	42.84000	2113.64001	.00000	.00000	-.00250	-.00130	-.09890	-.01110
-2.970	8.280	42.85000	2113.64001	.00000	.00000	-.00300	-.00130	-.11920	-.01020
GRADIENT		.00488	-.00094	.00000	.00000	-.00003	-.00002	-.00661	-.00031

RUN NO. 15/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-2.040	-2.060	42.85000	2113.64999	.00000	.00000	-.00080	-.00090	-.02750	-.01520
-2.030	.010	42.78000	2113.63000	.00000	.00000	-.00040	-.00100	-.03590	-.01920
-2.040	2.080	42.80000	2113.62000	.00000	.00000	-.00050	-.00100	-.04740	-.01680
-2.040	4.120	42.99000	2113.73001	.00000	.00000	-.00080	-.00110	-.06150	-.01540
-2.040	6.200	42.88000	2113.60001	.00000	.00000	-.00110	-.00110	-.08000	-.01300
-2.040	8.290	42.81000	2113.64001	.00000	.00000	-.00140	-.00110	-.10080	-.00980
GRADIENT		.02125	.01112	.00000	.00000	-.00000	-.00003	-.00550	-.00009

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OA163B - FORCE SOURCE DATA TABULATION

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OA163B B68C12G20M16N28M127E5F10V8R5X911

(RFPH02) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BOFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 36.000 THETML = 5.600
 PHI-MR = 36.000 THETMR = 5.600

RUN NO. 16/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-1.030	-2.040	43.01000	2113.70001	.00000	.00000	.00050	-.00090	-.01810	-.01200
-1.040	.020	42.84000	2113.72000	.00000	.00000	.00070	-.00080	-.02440	-.01700
-1.040	2.060	42.78000	2113.59000	.00000	.00000	.00050	-.00090	-.03460	-.01720
-1.030	4.120	42.93000	2113.70999	.00000	.00000	.00050	-.00090	-.04550	-.01590
-1.040	6.200	42.79000	2113.53000	.00000	.00000	.00010	-.00090	-.06280	-.01450
-1.040	8.270	43.03000	2113.67001	.00000	.00000	.00000	-.00110	-.08120	-.01220
GRADIENT		-.01461	-.00484	.00000	.00000	-.00001	-.00000	-.00450	-.00058

RUN NO. 17/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
.000	-2.060	43.02000	2113.75000	.00000	.00000	.00160	-.00080	-.00890	-.00870
-.010	.020	42.92000	2113.70001	.00000	.00000	.00170	-.00090	-.01410	-.01530
-.010	2.060	42.78000	2113.70001	.00000	.00000	.00160	-.00080	-.02230	-.01910
-.010	4.140	42.66000	2113.65000	.00000	.00000	.00130	-.00080	-.03390	-.01730
-.010	6.200	42.95000	2113.75000	.00000	.00000	.00130	-.00080	-.04670	-.01500
-.010	8.270	42.83000	2113.66000	.00000	.00000	.00110	-.00090	-.06390	-.01390
GRADIENT		-.05910	-.01309	.00000	.00000	-.00005	-.00000	-.00403	-.00143

RUN NO. 18/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
.980	-2.070	43.02000	2113.72000	.00000	.00000	.00210	-.00120	-.00090	-.00780
.980	.020	42.94000	2113.73999	.00000	.00000	.00230	-.00120	-.03570	-.01050
.980	2.060	42.81000	2113.62000	.00000	.00000	.00240	-.00100	-.01210	-.01690
.980	4.120	42.88000	2113.73001	.00000	.00000	.00240	-.00100	-.02180	-.01760
.980	6.200	42.85000	2113.73999	.00000	.00000	.00240	-.00100	-.03190	-.01580
.980	8.270	43.00000	2113.64999	.00000	.00000	.00210	-.00110	-.04730	-.01440
GRADIENT		-.02670	-.00433	.00000	.00000	.00005	.00004	-.00335	-.00174

RUN NO. 19/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
1.970	-2.060	42.81000	2113.69000	.00000	.00000	.00240	-.00120	.00750	-.00690
1.970	.010	42.84000	2113.69000	.00000	.00000	.00270	-.00120	.00330	-.00890
1.970	2.070	42.76000	2113.60001	.00000	.00000	.00290	-.00110	-.00200	-.01290
1.970	4.130	42.85000	2113.67999	.00000	.00000	.00310	-.00110	-.01070	-.01870
1.970	6.200	42.87000	2113.69000	.00000	.00000	.00310	-.00120	-.02080	-.01780
1.970	8.270	42.80000	2113.75000	.00000	.00000	.00280	-.00140	-.03190	-.03170
GRADIENT		.00194	-.00582	.00000	.00000	.00011	.00002	-.00290	-.00191

OA163B B68C12G20M16N26H127E5F10V8R5X911

(RFFH02) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 36.000 THETML = 5.600
 PHI-MR = 36.000 THETMR = 5.600

RUN NO. 20/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
2.990	-2.060	42.93000	2120.54001	.00000	.00000	.00160	-.00110	.01690	-.00570
2.990	-.020	42.74000	2120.51999	.00000	.00000	.00270	-.00110	.01230	-.00750
2.990	2.050	42.80000	2120.48001	.00000	.00000	.00320	-.00110	.00760	-.01060
2.990	4.130	42.75000	2120.48001	.00000	.00000	.00370	-.00100	.00090	-.02070
2.990	6.190	42.86000	2120.51001	.00000	.00000	.00390	-.00110	-.00800	-.01690
2.990	8.260	42.86000	2120.50000	.00000	.00000	.00390	-.00130	-.01720	-.01500
	GRADIENT	-.02317	-.01064	.00000	.00000	.00033	.00001	-.00255	-.00233

RUN NO. 21/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
4.060	-2.050	42.69000	2120.62000	.00000	.00000	.00330	-.00120	.02510	-.00490
4.060	.000	42.82000	2120.51999	.00000	.00000	.00350	-.00120	.02170	-.00670
4.060	2.070	42.78000	2120.54001	.00000	.00000	.00390	-.00120	.01620	-.00860
4.060	4.110	42.81000	2120.57001	.00000	.00000	.00440	-.00130	.01060	-.01390
4.060	6.190	42.79000	2120.56000	.00000	.00000	.00470	-.00140	.00190	-.01760
4.060	8.260	42.78000	2120.54999	.00000	.00000	.00480	-.00140	-.00750	-.01750
	GRADIENT	.01556	-.00632	.00000	.00000	.00018	-.00001	-.00238	-.00141

RUN NO. 22/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
5.030	-2.070	42.88000	2120.57001	.00000	.00000	.00350	-.00150	.03370	-.00520
5.030	.000	42.80000	2120.60001	.00000	.00000	.00400	-.00150	.03150	-.00590
5.030	2.070	42.75000	2120.53000	.00000	.00000	.00440	-.00150	.02600	-.00760
5.030	4.120	42.52000	2120.48001	.00000	.00000	.00490	-.00150	.02020	-.01100
5.030	6.190	42.82000	2120.51001	.00000	.00000	.00510	-.00150	.01310	-.01930
5.030	8.260	42.83000	2120.62000	.00000	.00000	.00460	-.00110	.00190	-.01710
	GRADIENT	-.05470	-.01645	.00000	.00000	.00022	-.00000	-.00223	-.00092

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OAI63B - FORCE SOURCE DATA TABULATION

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OAI63B B68C12020M16N28H127E5F10V8R5X911

(RFPH03) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 40.000 THETML = 6.200
 PHI-MR = 40.000 THETMR = 6.200

RUN NO. 23/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-5.030	-2.080	42.79000	2117.73999	.00000	.00000	-.00520	-.00130	-.05770	-.01810
-5.020	-.010	42.83000	2117.65000	.00000	.00000	-.00530	-.00140	-.07440	-.01690
-5.030	2.060	42.82000	2117.76999	.00000	.00000	-.00510	-.00130	-.09160	-.01680
-5.030	4.110	42.83000	2117.67999	.00000	.00000	-.00520	-.00140	-.11890	-.01460
-5.030	6.190	42.91000	2117.70999	.00000	.00000	-.00580	-.00130	-.14110	-.01280
-5.030	8.260	42.74000	2117.69000	.00000	.00000	-.00600	-.00120	-.16510	-.00850
	GRADIENT	.00533	-.00336	.00000	.00000	.00001	-.00001	-.00973	-.00051

RUN NO. 24/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-4.030	-2.080	42.95000	2117.76999	.00000	.00000	-.00380	-.00140	-.05550	-.02180
-4.030	.000	42.78000	2117.73001	.00000	.00000	-.00350	-.00140	-.06870	-.01840
-4.030	2.050	42.85000	2117.73999	.00000	.00000	-.00350	-.00140	-.08530	-.01760
-4.030	4.120	42.89000	2117.78000	.00000	.00000	-.00370	-.00140	-.10490	-.01670
-4.040	6.190	42.87000	2117.79999	.00000	.00000	-.00410	-.00110	-.12870	-.01350
-4.040	8.260	42.86000	2117.69000	.00000	.00000	-.00460	-.00140	-.14890	-.01020
	GRADIENT	-.00538	.00194	.00000	.00000	.00001	-.00000	-.00798	-.00078

RUN NO. 25/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-2.960	-2.060	42.89000	2117.79001	.00000	.00000	-.00220	-.00110	-.04200	-.01990
-2.960	.010	42.73000	2117.73999	.00000	.00000	-.00210	-.00120	-.05340	-.01990
-2.960	2.050	42.92000	2117.82001	.00000	.00000	-.00190	-.00130	-.06680	-.01810
-2.960	4.120	42.87000	2117.73999	.00000	.00000	-.00210	-.00130	-.08400	-.01790
-2.960	6.200	43.05000	2117.78000	.00000	.00000	-.00280	-.00130	-.10780	-.01420
-2.960	8.280	42.87000	2117.69000	.00000	.00000	-.00290	-.00120	-.12720	-.01220
	GRADIENT	.00479	-.00345	.00000	.00000	.00002	-.00003	-.00677	-.00038

RUN NO. 26/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-2.030	-2.060	42.97000	2117.76001	.00000	.00000	-.00100	-.00090	-.03080	-.01670
-2.020	.020	42.81000	2117.76999	.00000	.00000	-.00050	-.00090	-.03870	-.02310
-2.030	2.070	42.98000	2117.84000	.00000	.00000	-.00060	-.00100	-.05130	-.01930
-2.020	4.120	42.89000	2117.79001	.00000	.00000	-.00080	-.00100	-.06550	-.01810
-2.020	6.200	42.74000	2117.76001	.00000	.00000	-.00120	-.00100	-.08500	-.01750
-2.020	8.270	42.84000	2117.67001	.00000	.00000	-.00160	-.00110	-.10620	-.01380
	GRADIENT	-.00347	.00779	.00000	.00000	.00002	-.00002	-.00567	-.00002

0A163B B68C12G20H16N28W127E5F10Y8R5X911

(RFP03) (17 FEB 77)

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0405

SPDBRK =
 ELV-L =
 PHI-N =
 PHI-MR =

25.000
 .000
 30.800
 40.000

BDCLAP =
 ELV-R =
 THETAN =
 THETML =
 THETMR =

.000
 .000
 5.000
 6.200
 6.200

PARAMETRIC DATA

RUN NO. 27/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-1.030	-2.060	42.99000	2117.78000	.00000	.00000	.00000	.00080	-.01990	-.00660
-1.030	.000	42.87000	2117.85001	.00000	.00000	.00020	.00080	-.02480	-.02320
-1.030	2.060	42.91000	2117.85999	.00000	.00000	.00030	.00090	-.03630	-.02050
-1.030	4.120	42.81000	2117.79999	.00000	.00000	.00030	.00090	-.04870	-.01850
-1.030	6.190	42.72000	2117.76001	.00000	.00000	.00010	.00090	-.06580	-.01760
-1.030	8.280	42.93000	2117.81000	.00000	.00000	.00030	.00090	-.08540	-.01610
	GRADIENT	-.02427	.00340	.00000	.00000	.00005	.00002	-.00475	-.00160

RUN NO. 28/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
.030	.000	43.13000	2117.85001	.00000	.00000	.00130	.00080	-.01360	-.01800
.030	2.070	43.06000	2117.87000	.00000	.00000	.00150	.00070	-.02140	-.02230
.030	4.130	42.92000	2117.81000	.00000	.00000	.00120	.00080	-.03350	-.02110
.030	6.210	42.83000	2117.73999	.00000	.00000	.00100	.00080	-.04720	-.01820
	GRADIENT	-.05083	-.00968	.00000	.00000	-.00002	.00000	-.00482	-.00075

RUN NO. 29/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
.960	.000	42.96000	2117.13000	.00000	.00000	.00220	.00080	-.00290	-.00930
.960	2.070	42.62000	2117.17001	.00000	.00000	.00250	.00080	-.00810	-.02470
.960	4.130	42.86000	2117.14001	.00000	.00000	.00250	.00080	-.01840	-.02090
.960	6.200	42.63000	2117.17001	.00000	.00000	.00230	.00080	-.02890	-.01880
	GRADIENT	-.02433	.00244	.00000	.00000	.00007	.00002	-.00375	-.00281

RUN NO. 30/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
1.950	.000	43.06000	2117.13000	.00000	.00000	.00270	.00110	-.00100	-.00800
1.940	2.060	42.84000	2117.06000	.00000	.00000	.00300	.00100	-.00350	-.01840
1.940	4.140	42.65000	2117.07001	.00000	.00000	.00320	.00100	-.01020	-.02150
1.940	6.200	43.09000	2117.14001	.00000	.00000	.00320	.00100	-.01920	-.02150
	GRADIENT	-.09902	-.01445	.00000	.00000	.00012	.00002	-.00271	-.00326

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OA163B - FORCE SOURCE DATA TABULATION

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(RFPH03) (17 FEB 77)

OA163B B68C12G20M16N28W127E5F10V8R5X911

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0405

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

SPOBRK =
 ELV-L =
 PHI-N =
 PHI-ML =
 PHI-MR =

BDFLAP =
 ELV-R =
 THETAN =
 THETML =
 THETMR =

RUN NO. 31/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
 5.000
 5.000
 4.990
 4.990

ALPHA
 .000
 2.080
 4.130
 6.220

Q(PSSF)
 43.17000
 42.83000
 42.78000
 42.76000

PO
 2117.19000
 2117.20001
 2117.09000
 2117.22000

CHEI
 .00000
 .00000
 .00000
 .00000

CHEO
 .00000
 .00000
 .00000
 .00000

CHMD
 .00340
 .00400
 .00430
 .00460

CHMS
 -.00580
 -.00900
 -.01210
 -.02190
 -.00153

OA163B B68C12G20M16N28W127E5F10V8R5X911

(RFPH04) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0405

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

SPOBRK =
 ELV-L =
 PHI-N =
 PHI-ML =
 PHI-MR =

BDFLAP =
 ELV-R =
 THETAN =
 THETML =
 THETMR =

RUN NO. 32/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
 -5.030
 -5.030
 -5.030
 -5.030

ALPHA
 .000
 2.070
 4.130
 6.210

Q(PSSF)
 42.90000
 42.79000
 42.73000
 42.77000

PO
 2115.10999
 2114.98001
 2114.92001
 2115.01001

CHEI
 .00000
 .00000
 .00000
 .00000

CHEO
 .00000
 .00000
 .00000
 .00000

CHMD
 -.00560
 -.00550
 -.00540
 -.00530

CHMS
 -.00720
 -.00710
 -.00690
 -.00640
 -.00007

RUN NO. 33/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
 -2.000
 -2.010
 -2.010
 -2.010

ALPHA
 .000
 2.050
 4.120
 6.220

Q(PSSF)
 42.92000
 42.86000
 42.71000
 42.72000

PO
 2115.09000
 2114.98001
 2114.98000
 2114.92001

CHEI
 .00000
 .00000
 .00000
 .00000

CHEO
 .00000
 .00000
 .00000
 .00000

CHMD
 -.00120
 -.00090
 -.00090
 -.00080

CHMS
 -.00840
 -.00710
 -.00690
 -.00660
 -.00488

0A163B B68C12G20M16N28W127E5F10V8R5X911

(RFPH04) (17 FEB 77)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	1.076.6800	IN.	XO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO
SCALE	=	.0405						

PARAMETRIC DATA

SPDRBK	=	25.000	BDFLAP	=	.000
ELV-L	=	.000	ELV-R	=	.000
PHI-N	=	25.000	THETAN	=	5.000
PHI-ML	=	26.000	THEIML	=	4.000
PHI-MR	=	26.000	THEIMR	=	4.000

RUN NO. 34/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q (PSF)	PO	CHC1	CHC0	CHMD	CHMS
-1.010	.020	42.97000	2115.03000	.00000	.00000	.00000	-00130
-1.010	2.060	42.78000	2115.01999	.00000	.00000	.00330	-00110
-1.010	4.130	42.84000	2115.07999	.00000	.00000	.00020	-00110
-1.010	6.200	42.95000	2115.01001	.00000	.00000	.00030	-00110
	GRADIENT	-	.03148	.01222	.00000	.00005	.00005

BETA	ALPHA	Q(F5F)	PO	CHE1	CHEO	CHMD	CHMS
.010	.000	42.96000	2115.10999	.00000	.00000	.00070	-.00120
.010	2.070	42.82000	2114.84000	.00000	.00000	.00100	-.00110
.010	4.130	42.80000	2115.07001	.00000	.00000	.00120	-.00100
.010	6.200	42.82000	2115.01999	.00000	.00000	.00130	-.00110
GRADIENT		-.03876	-.00979	.00000	.00000	.00012	-.00005

BETA	ALPHA	Q (PSF)	PO	CHEI	CHEO	CHMD	CHMS
1.000	.000	42.69000	2115.04999	.00000	.00000	.00150	-.00120
1.000	2.050	42.80000	2115.03000	.00000	.00000	.00180	-.00100
1.010	4.140	42.77000	2114.92001	.00000	.00000	.00190	-.00100
1.000	6.190	42.73000	2115.00000	.00000	.00000	.00200	-.00090
	GRADIENT	-.02894	-.03147	.00000	.00000	.00010	-.00005

BETA	ALPHA	Q(PSF)	PO	CHE1	CHEO	CHMD	CHMS
1.990	.020	42.91000	2115.01001	.00000	.00000	.00170	-.00120
1.980	2.050	42.90000	2115.07001	.00000	.00000	.00230	-.00110
1.990	4.130	42.97000	2115.09000	.00000	.00000	.00250	-.00100
1.990	6.180	42.76000	2115.00000	.00000	.00000	.00280	-.00100
GRADIENT		.01468	.01940	.00000	.00000	.00019	-.00005

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OA163B - FORCE SOURCE DATA TABULATION

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OA163B B68C12G20M16N28W127E5F10V8R5X911

(RFP404) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

RUN NO. 38/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHE1	CHEO	CHMD	CHMS	CHMD	CHMS	BDFLAP	ELV-L	ELV-R	THETAN	THETML	THETMR
5.010	.000	42.96000	2115.04001	.00000	.00000	.00190	-.00130	.01070	-.00390	.000	.000	.000	.000	.000	.000
5.010	2.050	42.87000	2115.07999	.00000	.00000	.00250	-.00110	.00750	-.00530	25.000	25.000	25.000	25.000	25.000	25.000
5.010	4.110	42.81000	2115.03000	.00000	.00000	.00330	-.00090	.00730	-.00770	26.000	26.000	26.000	26.000	26.000	26.000
5.010	6.200	42.72000	2115.03000	.00000	.00000	.00350	-.00060	.00450	-.00990	26.000	26.000	26.000	26.000	26.000	26.000
GRADIENT		-.03649	-.00245	.00000	.00000	.00034	.00010	-.00083	-.00092						

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

RUN NO. 39/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHE1	CHEO	CHMD	CHMS	CHMD	CHMS	BDFLAP	ELV-L	ELV-R	THETAN	THETML	THETMR
-5.050	.050	42.70000	2115.10001	.00000	.00000	-.00640	-.00240	-.06510	-.01080	25.000	25.000	25.000	25.000	25.000	25.000
-5.050	2.120	42.83000	2115.03000	.00000	.00000	-.00640	-.00230	-.08300	-.01070	5.000	5.000	5.000	5.000	5.000	5.000
-5.050	4.190	42.88000	2114.94000	.00000	.00000	-.00560	-.00240	-.10170	-.01000	30.800	30.800	30.800	30.800	30.800	30.800
-5.050	6.270	42.90000	2115.09000	.00000	.00000	-.00640	-.00220	-.12160	-.00870	32.200	32.200	32.200	32.200	32.200	32.200
GRADIENT		.04348	-.03865	.00000	.00000	-.00003	-.00000	-.00884	.00019						

RUN NO. 40/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHE1	CHEO	CHMD	CHMS	CHMD	CHMS	BDFLAP	ELV-L	ELV-R	THETAN	THETML	THETMR
-4.050	.050	42.96000	2115.06000	.00000	.00000	.00420	-.00240	-.05390	-.01130	25.000	25.000	25.000	25.000	25.000	25.000
-4.050	2.110	42.96000	2115.03000	.00000	.00000	-.00440	-.00250	-.06930	-.01130	26.000	26.000	26.000	26.000	26.000	26.000
-4.050	4.190	42.86000	2115.01001	.00000	.00000	-.00420	-.00250	-.08650	-.01020	26.000	26.000	26.000	26.000	26.000	26.000
-4.050	6.240	42.86000	2114.98999	.00000	.00000	-.00440	-.00250	-.10530	-.00830	26.000	26.000	26.000	26.000	26.000	26.000
GRADIENT		-.06773	-.01206	.00000	.00000	.00000	-.00002	-.00788	.00027						

OA163B B68C12G20M16N28W127E5F10V8R5X911

(RFP405) (17 FEB 77)

0A163B B6BC12G20M16N28H127E5F10VBR5XS11

(RFPH05) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
ELV-L = 5.000 ELV-R = 5.000
PHI-N = 30.800 THETAN = 5.000
PHI-ML = 32.200 THETML = 5.000
PHI-MR = 32.200 THETMR = 5.000

RUN NO. 41/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
-2.970
-2.970
-2.960
-2.970ALPHA
.070
2.110
4.190
6.260Q(PSF)
42.96000
42.75000
42.83000
42.75000PO
2115.07001
2115.03000
2115.01999
2115.13000RN/L = 1.19
RN/L = 1.19
RN/L = 1.19
RN/L = 1.19CHEI
.00000
.00000
.00000
.00000CHEO
.00000
.00000
.00000
.00000CHMD
-0.0270
-0.0250
-0.0260
-0.0260CHMS
-0.0220
-0.0230
-0.0230
-0.0230CHMD
-0.0420
-0.0510
-0.0710
-0.0880CHMS
-0.0120
-0.0180
-0.0100
-0.0090CHMD
-0.0029
-0.0068
-0.0068
-0.0068CHMS
-0.0120
-0.0180
-0.0100
-0.0090CHMD
-0.0420
-0.0510
-0.0710
-0.0880CHMS
-0.0120
-0.0180
-0.0100
-0.0090CHMD
-0.0420
-0.0510
-0.0710
-0.0880CHMS
-0.0120
-0.0180
-0.0100
-0.0090

RUN NO. 42/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
-2.030
-2.030
-2.030
-2.030ALPHA
.030
2.120
4.170
6.260Q(PSF)
42.93000
42.90000
42.77000
42.92000PO
2115.07001
2115.04999
2115.01001
2115.04999RN/L = 1.19
RN/L = 1.19
RN/L = 1.19
RN/L = 1.19CHEI
.00000
.00000
.00000
.00000CHEO
.00000
.00000
.00000
.00000CHMD
-0.0100
-0.0100
-0.0110
-0.0110CHMS
-0.0170
-0.0180
-0.0190
-0.0210CHMD
-0.0340
-0.0420
-0.0560
-0.0730CHMS
-0.0120
-0.0180
-0.0100
-0.0090CHMD
-0.0420
-0.0510
-0.0710
-0.0880CHMS
-0.0120
-0.0180
-0.0100
-0.0090CHMD
-0.0420
-0.0510
-0.0710
-0.0880CHMS
-0.0120
-0.0180
-0.0100
-0.0090CHMD
-0.0420
-0.0510
-0.0710
-0.0880CHMS
-0.0120
-0.0180
-0.0100
-0.0090

RUN NO. 43/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
-1.040
-1.040
-1.040
-1.040ALPHA
.050
2.120
4.170
6.250Q(PSF)
42.94000
43.07000
42.85000
42.82000PO
2115.06000
2115.14001
2115.06000
2115.01999RN/L = 1.19
RN/L = 1.19
RN/L = 1.19
RN/L = 1.19CHEI
.00000
.00000
.00000
.00000CHEO
.00000
.00000
.00000
.00000CHMD
-0.0020
-0.0020
-0.0020
-0.0040CHMS
-0.0160
-0.0160
-0.0160
-0.0170CHMD
-0.0250
-0.0340
-0.0440
-0.0600CHMS
-0.0130
-0.0130
-0.0120
-0.0100CHMD
-0.0440
-0.0550
-0.0600
-0.0600CHMS
-0.0130
-0.0130
-0.0120
-0.0100CHMD
-0.0440
-0.0550
-0.0600
-0.0600CHMS
-0.0130
-0.0130
-0.0120
-0.0100CHMD
-0.0440
-0.0550
-0.0600
-0.0600CHMS
-0.0130
-0.0130
-0.0120
-0.0100

RUN NO. 44/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
-0.000
-0.000
-0.000
-0.000ALPHA
.040
2.120
4.170
6.260Q(PSF)
42.90000
42.77000
42.80000
42.76000PO
2115.10001
2115.07001
2115.10001
2115.07999RN/L = 1.19
RN/L = 1.19
RN/L = 1.19
RN/L = 1.19CHEI
.00000
.00000
.00000
.00000CHEO
.00000
.00000
.00000
.00000CHMD
-0.0140
-0.0120
-0.0120
-0.0140CHMS
-0.0150
-0.0150
-0.0160
-0.0180CHMD
-0.0170
-0.0250
-0.0330
-0.0470CHMS
-0.0150
-0.0150
-0.0160
-0.0180CHMD
-0.0170
-0.0250
-0.0330
-0.0470CHMS
-0.0150
-0.0150
-0.0160
-0.0180CHMD
-0.0170
-0.0250
-0.0330
-0.0470CHMS
-0.0150
-0.0150
-0.0160
-0.0180CHMD
-0.0170
-0.0250
-0.0330
-0.0470CHMS
-0.0150
-0.0150
-0.0160
-0.0180

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OAI63B - FORCE SOURCE DATA TABULATION

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OAI63B B68C12020H16N28W127E3F10V8R5X911

(RFP05) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0405

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

SPDBRK = 25.000 BOFLAP = .000
 ELV-L = 5.000 ELV-R = 5.000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 45/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
.980
.980
.980
.980

ALPHA
.070
2.120
4.170
6.240
GRADIENT

Q(PSF)

PO

CHEI

CHEO

CHMND

CHMNS

CHMMD

CHMMS
-.01580
-.01320
-.01250
-.01140
-.03390
-.00356
-.00080

RUN NO. 46/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
1.970
1.970
1.970
1.970

ALPHA
.060
2.100
4.180
6.250
GRADIENT

Q(PSF)

PO

CHEI

CHEO

CHMND

CHMNS

CHMMD

CHMMS
-.01080
-.01440
-.01230
-.01160
-.02390
-.00304
-.00036

RUN NO. 47/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
2.980
2.990
2.990
2.990

ALPHA
.070
2.100
4.190
6.260
GRADIENT

Q(PSF)

PO

CHEI

CHEO

CHMND

CHMNS

CHMMD

CHMMS
-.01020
-.01580
-.01270
-.01260
-.00209
-.00060

RUN NO. 48/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
4.050
4.040
4.050
4.050

ALPHA
.040
2.100
4.190
6.250
GRADIENT

Q(PSF)

PO

CHEI

CHEO

CHMND

CHMNS

CHMMD

CHMMS
-.00820
-.01120
-.01330
-.00280
-.00149
-.00123

OA163B B68C12G20H16N26H127E5F10V8R5X911

(RFPH05) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0405

SPDRK =
 ELV-L =
 PHI-N =
 PHI-ML =
 PHI-MR =

25.000 BDFLAP =
 5.000 ELV-R =
 30.800 THETAN =
 32.200 THETML =
 32.200 THETMR =

.000
 5.000
 5.000
 5.000
 5.000

RUN NO. 49/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
 5.000
 5.000
 5.000
 5.000

ALPHA
 .060
 2.130
 4.190
 6.250

Q(PSPF)
 43.00000
 42.98000
 42.70000
 42.71000

PO
 2115.16000
 2115.22000
 2115.00000
 2115.12000

CHEI
 .00000
 .00000
 .00000
 .00000

CHEO
 .00000
 .00000
 .00000
 .00000

CHMD
 .00300
 .00350
 .00390
 .00420

CHMS
 -.00150
 -.00160
 -.00160
 -.00150

CHMS
 -.00810
 -.01000
 -.01410
 -.01230

CHMS
 -.00162
 -.00002
 .00022
 .00000

CHMS
 -.00145

OA163B B68C12G20H16N26H127E5F10V8R5X911

(RFPH06) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0405

SPDRK =
 ELV-L =
 PHI-N =
 PHI-ML =
 PHI-MR =

25.000 BDFLAP =
 .000 ELV-R =
 30.800 THETAN =
 32.200 THETML =
 32.200 THETMR =

16.300
 .000
 5.000
 5.000
 5.000

RUN NO. 51/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
 -5.030
 -5.030
 -5.030
 -5.040

ALPHA
 .010
 2.100
 4.140
 6.230

Q(PSPF)
 42.86000
 42.86000
 42.78000
 42.79000

PO
 2119.87000
 2119.94000
 2119.85001
 2119.79001

CHEI
 .00000
 .00000
 .00000
 .00000

CHEO
 .00000
 .00000
 .00000
 .00000

CHMD
 -.00540
 -.00760
 -.00730
 -.00730

CHMS
 -.00250
 -.00250
 -.00250
 -.00230

CHMS
 -.01030
 -.01020
 -.00960
 -.00830

CHMS
 -.00925
 .00000
 .00046
 .00017

CHMS
 -.00017

RUN NO. 52/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
 -4.030
 -4.030
 -4.030
 -4.030

ALPHA
 .010
 2.090
 4.140
 6.240

Q(PSPF)
 42.77000
 42.74000
 42.80000
 42.81000

PO
 2119.78000
 2119.88000
 2119.79999
 2119.79999

CHEI
 .00000
 .00000
 .00000
 .00000

CHEO
 .00000
 .00000
 .00000
 .00000

CHMD
 -.00590
 -.00540
 -.00540
 -.00530

CHMS
 -.00250
 -.00250
 -.00250
 -.00250

CHMS
 -.01110
 -.01080
 -.00930
 -.00750

CHMS
 -.00809
 .00000
 .00012
 .00044

CHMS
 .00044

2-6

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OA163B - FORCE SOURCE DATA TABULATION

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OA163B B68C12G20M16N28W127E5F10V8R5X911

(RFPH06) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = 16.300
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 53/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS
-2.950	.010	42.90000	2119.85999	.00000	.00000	.00370	.00210
-2.950	2.100	42.88000	2119.87000	.00000	.00000	.00340	.00240
-2.950	4.150	42.77000	2119.82999	.00000	.00000	.00330	.00240
-2.950	6.220	42.78000	2119.82.1	.00000	.00000	.00350	.00240
GRADIENT		-.03133	-.00722	.00000	.00000	.00010	.00007

RUN NO. 54/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS
-2.020	.040	42.90000	2119.84000	.00000	.00000	.00220	.00180
-2.020	2.090	42.82000	2119.85001	.00000	.00000	.00200	.00180
-2.020	4.150	42.80000	2119.82001	.00000	.00000	.00200	.00190
-2.020	6.220	42.95000	2119.85001	.00000	.00000	.00200	.00210
GRADIENT		-.02432	-.00489	.00000	.00000	.00005	.00002

RUN NO. 55/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS
-1.020	.030	42.82000	2119.79001	.00000	.00000	.00080	.00170
-1.020	2.100	42.85000	2119.81000	.00000	.00000	.00050	.00170
-1.020	4.150	42.80000	2119.84000	.00000	.00000	.00050	.00170
-1.020	6.240	42.79000	2119.88000	.00000	.00000	.00070	.00170
GRADIENT		-.00482	.01212	.00000	.00000	.00007	.00000

RUN NO. 56/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS
.000	.010	42.90000	2119.87000	.00000	.00000	.00020	.00160
.000	2.100	42.82000	2119.79999	.00000	.00000	.00020	.00160
.000	4.160	42.74000	2119.89001	.00000	.00000	.00030	.00170
.000	6.220	42.69000	2119.82001	.00000	.00000	.00030	.00160
GRADIENT		-.03855	.00473	.00000	.00000	.00002	.00002

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = 16.300
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 57/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
1.980	.020	42.94000	2119.82001	.00000	.00000	.00100	.00160	-.01490	-.01070
1.000	2.080	42.87000	2119.85001	.00000	.00000	.00110	.00170	-.02260	-.01310
1.000	4.150	42.87000	2119.84000	.00000	.00000	.00110	.00170	-.03130	-.01220
1.000	6.240	42.71000	2119.92999	.00000	.00000	.00120	.00190	-.04040	-.01100
	GRADIENT	-.01693	.00483	.00000	.00000	.00002	.00002	-.00397	-.00036

RUN NO. 58/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
1.980	.010	42.95000	2119.89001	.00000	.00000	.00150	.00160	-.00660	-.01030
1.980	2.110	42.78000	2119.98000	.00000	.00000	.00170	.00160	-.01300	-.01420
1.980	4.160	42.84000	2119.85999	.00000	.00000	.00170	.00160	-.02150	-.01230
1.980	6.240	42.87000	2119.89001	.00000	.00000	.00170	.00170	-.02890	-.01140
	GRADIENT	-.02673	-.00724	.00000	.00000	.00005	.00000	-.00359	-.00049

RUN NO. 59/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
2.980	.010	42.91000	2119.94000	.00000	.00000	.00160	.00160	.00310	-.00850
2.980	2.100	42.94000	2119.98001	.00000	.00000	.00200	.00160	.00010	-.01610
2.980	4.150	42.84000	2119.89999	.00000	.00000	.00230	.00160	-.00720	-.01300
2.980	6.230	42.82000	2119.84000	.00000	.00000	.00240	.00160	-.01520	-.01210
	GRADIENT	-.01681	-.00955	.00000	.00000	.00017	.00000	-.00248	-.00110

RUN NO. 60/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
4.060	.020	42.97000	2119.89999	.00000	.00000	.00170	.00160	.00830	-.00650
4.060	2.090	42.78000	2119.95001	.00000	.00000	.00230	.00150	.00580	-.01030
4.060	4.160	42.82000	2119.91000	.00000	.00000	.00270	.00160	.00030	-.01330
4.060	6.230	42.73000	2119.92999	.00000	.00000	.00280	.00160	-.00800	-.01240
	GRADIENT	-.03623	.00243	.00000	.00000	.00024	.00000	-.00193	-.00164

DATE 25 APR 77 OAI63B - FORCE SOURCE DATA TABULATION

(RFPH06) (17 FEB 77)

OAI63B B68C12G20M16N28H127E5F10V8R5X911

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

RUN NO. 61/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	SPDBRK	ELV-L	ELV-R	THETAN	THETML	THETMR
5.010	.050	42.85000	2119.92999	.00000	.00000	.00190	.00160	25.000	.000	.000	30.800	32.200	16.300
5.010	2.090	42.64000	2119.92001	.00000	.00000	.00240	.00160	.000	.000	.000	5.000	5.000	5.000
5.010	4.160	42.79000	2119.97000	.00000	.00000	.00280	.00160	30.800	.000	.000	5.000	5.000	5.000
5.010	6.250	42.77000	2119.89001	.00000	.00000	.00310	.00160	32.200	.000	.000	5.000	5.000	5.000
	GRADIENT	-.01439	.00977	.00000	.00000	.00022	.00000						

OAI63B B68C12G20M16N28H127E5F10V8R5X911

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

RUN NO. 62/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	SPDBRK	ELV-L	ELV-R	THETAN	THETML	THETMR
-5.050	.000	42.84000	2117.79999	.00000	.00000	.02360	.11740	25.000	.000	.000	108.000	4.000	4.000
-5.050	2.070	42.69000	2117.78000	.00000	.00000	.02690	.11560	.000	.000	.000	4.000	4.000	4.000
-5.050	4.130	42.83000	2117.73999	.00000	.00000	.02900	.11340	66.000	.000	.000	108.000	4.000	4.000
-5.050	6.190	42.72000	2117.76001	.00000	.00000	.03190	.11080	26.000	.000	.000	4.000	4.000	4.000
	GRADIENT	-.00248	-.01452	.00000	.00000	.00131	.00097						

RUN NO. 63/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	SPDBRK	ELV-L	ELV-R	THETAN	THETML	THETMR
-2.020	.000	42.90000	2117.81000	.00000	.00000	.01620	.11560	25.000	.000	.000	108.000	4.000	4.000
-2.030	2.070	42.71000	2117.76999	.00000	.00000	.01590	.11410	.000	.000	.000	4.000	4.000	4.000
-2.020	4.120	42.84000	2117.79001	.00000	.00000	.01790	.11190	66.000	.000	.000	108.000	4.000	4.000
-2.030	6.190	42.92000	2117.70999	.00000	.00000	.02060	.10920	26.000	.000	.000	4.000	4.000	4.000
	GRADIENT	-.01469	-.00487	.00000	.00000	.00041	.00090						

PARAMETRIC DATA

BOFLAP = 25.000
 ELV-R = .000
 THETAN = 30.800
 THETML = 32.200
 THETMR = 16.300

CHMD = .01380
 CHMS = -.00740
 ELV-R = -.00950
 THETAN = -.01470
 THETML = -.01220
 THETMR = -.00178

(RFPH07) (17 FEB 77)

PARAMETRIC DATA

BOFLAP = 25.000
 ELV-R = .000
 THETAN = 66.000
 THETML = 26.000
 THETMR = 26.000

CHMD = -.05440
 CHMS = -.00350
 ELV-R = -.00590
 THETAN = -.00740
 THETML = -.07380
 THETMR = -.00094

CHMD = -.03390
 CHMS = -.00650
 ELV-R = -.00680
 THETAN = -.05020
 THETML = -.06180
 THETMR = -.00027

OAI63B B69C12G20M16N28W127E5F10V8R5X911

(RFP07) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LI-F = 474.9100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 56.000 THETAN = 108.000
 PHI-ML = 26.000 THETML = 4.000
 PHI-MR = 26.000 THETMR = 4.000

RUN NO. 64/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-1.030	.000	43.00000	2117.88000	.00000	.00000	-.01240	-.11460	-.02640	-.00770
-1.030	2.080	42.94000	2117.81000	.00000	.00000	-.01270	-.11260	-.03480	-.00810
-1.030	4.120	42.71000	2117.79001	.00000	.00000	-.01480	-.11050	-.04200	-.00860
-1.040	6.200	42.83000	2117.79999	.00000	.00000	-.01640	-.10820	-.05290	-.00970
	GRADIENT	-.07025	-.02188	.00000	.00000	-.00058	.00100	-.00379	-.00022

RUN NO. 65/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-0.10	.000	42.94000	2117.82001	.00000	.00000	-.00870	-.11530	-.02050	-.00920
-0.10	2.050	42.89000	2117.73999	.00000	.00000	-.00970	-.11300	-.02800	-.00910
-0.10	4.120	42.81000	2117.75000	.00000	.00000	-.01140	-.11100	-.03430	-.00970
-0.10	6.200	42.70000	2117.91000	.00000	.00000	-.01340	-.10780	-.04350	-.01030
	GRADIENT	-.03157	-.01695	.00000	.00000	-.00056	.00104	-.00335	-.00012

RUN NO. 66/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
.980	.000	42.84000	2117.69000	.00000	.00000	-.00590	-.11550	-.01510	-.01050
.980	2.080	42.98000	2117.84000	.00000	.00000	-.00690	-.11340	-.02150	-.00990
.980	4.120	42.77000	2117.85999	.00000	.00000	-.00830	-.11060	-.02770	-.01070
.990	6.200	42.87000	2117.73001	.00000	.00000	-.01040	-.10820	-.03460	-.01130
	GRADIENT	-.01671	.04136	.00000	.00000	-.00058	.00119	-.00306	-.00005

RUN NO. 67/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
1.980	.010	42.87000	2117.84000	.00000	.00000	-.00380	-.11500	-.01110	-.01030
1.980	2.080	42.78000	2117.82001	.00000	.00000	-.00450	-.11310	-.01600	-.01060
1.980	4.120	42.75000	2117.82001	.00000	.00000	-.00590	-.11080	-.02190	-.01120
1.980	6.200	42.68000	2117.79001	.00000	.00000	-.00760	-.10810	-.02750	-.01180
	GRADIENT	-.02923	-.00489	.00000	.00000	-.00051	.00102	-.00263	-.00022

(RFPH08) (17 FEB 77)

OA163B B68C12G20M16N28W127E5F10V8R5X911

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BOFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 66/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-5.030	.000	42.97000	2116.45001	.00000	.00000	-.02260	-.11700	-.05710	-.01050
-5.040	2.090	42.81000	2116.39000	.00000	.00000	-.02590	-.11530	-.06580	-.01160
-5.030	4.130	42.68000	2116.38000	.00000	.00000	-.02860	-.11310	-.07710	-.01050
-5.030	6.210	42.69000	2116.32001	.00000	.00000	-.03110	-.11100	-.08820	-.00720
	GRADIENT	-.07024	-.01704	.00000	.00000	-.00145	.00094	-.00484	.00002

RUN NO. 69/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-2.020	.000	42.84000	2116.42999	.00000	.00000	-.01430	-.11550	-.03230	-.01280
-2.020	2.050	42.90000	2116.47000	.00000	.00000	-.01500	-.11380	-.04170	-.01120
-2.020	4.120	42.96000	2116.42001	.00000	.00000	-.01710	-.11160	-.05150	-.01040
-2.020	6.200	42.82000	2116.50000	.00000	.00000	-.01930	-.10910	-.06460	-.01030
	GRADIENT	.02913	-.00242	.00000	.00000	-.00068	.00095	-.00466	.00058

RUN NO. 70/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-1.020	.000	42.83000	2116.42999	.00000	.00000	-.01050	-.11490	-.02330	-.01390
-1.010	2.070	42.93000	2116.37000	.00000	.00000	-.01210	-.11250	-.03180	-.01140
-1.020	4.140	42.83000	2116.42999	.00000	.00000	-.01380	-.11020	-.03990	-.01080
-1.020	6.210	42.96000	2116.32999	.00000	.00000	-.01640	-.10820	-.05270	-.01020
	GRADIENT	.00000	-.00002	.00000	.00000	-.00080	.00114	-.00401	.00075

RUN NO. 71/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
.010	-.010	42.89000	2116.42999	.00000	.00000	-.00720	-.11550	-.01490	-.01570
.000	2.050	42.89000	2116.39999	.00000	.00000	-.00910	-.11320	-.02200	-.01210
.010	4.120	42.84000	2116.45999	.00000	.00000	-.01080	-.11040	-.03040	-.01160
.010	6.200	42.80000	2116.45001	.00000	.00000	-.01280	-.10750	-.04110	-.01010
	GRADIENT	-.01212	.00727	.00000	.00000	-.00087	.00123	-.00375	.00099

OAI63B B68C12G20M16N28M127E5F10V8R5X911

(RFPH08) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

SPDBRK =
 ELV-L =
 PHI-N =
 PHI-ML =
 PHI-MR =

25.000 BDFLAP =
 .000 ELV-R =
 66.000 THETAN =
 32.200 THETML =
 32.200 THETMR =

.000
 .000
 108.000
 5.000
 5.000

PARAMETRIC DATA

RUN NO. 72/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS
1.000	.000	42.83000	2116.51999	.00000	.00000	.00460	.11530
1.000	2.060	42.72000	2116.48001	.00000	.00000	.00640	.11300
1.000	4.140	42.84000	2116.39999	.00000	.00000	.00830	.11070
1.000	6.200	42.92000	2116.41000	.00000	.00000	.00990	.10810
	GRADIENT	.00250	-.02900	.00000	.00000	.00089	.00111

RUN NO. 73/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS
1.990	.000	42.96000	2116.50000	.00000	.00000	.00270	.11520
1.990	2.070	42.83000	2116.50000	.00000	.00000	.00390	.11280
1.980	4.130	42.92000	2116.48999	.00000	.00000	.00550	.11030
1.980	6.200	42.85000	2116.39001	.00000	.00000	.00720	.10770
	GRADIENT	-.00973	-.00242	.00000	.00000	.00068	.00119

RUN NO. 74/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS
5.010	.030	42.92000	2116.45999	.00000	.00000	.00150	.11580
5.020	2.060	42.93000	2116.53000	.00000	.00000	.00100	.11400
5.020	4.120	42.73000	2116.57001	.00000	.00000	.00030	.11220
5.010	6.200	42.70000	2116.54001	.00000	.00000	.00090	.10960
	GRADIENT	-.04658	.02689	.00000	.00000	.00029	.00088

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OAI63B - FORCE SOURCE DATA TABULATION

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OAI63B B68C12020M16N28M127E5F10V8R5X911

(RFPH09) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 50.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 36.000 THETMR = 5.600

RUN NO. 75/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHE1	CHEO	CHMD	CHMS	CHMD	CHMS
-5.030	.000	42.93000	2112.89001	.00000	.00000	-.02310	-.11730	-.05860	-.01410
-5.030	2.080	42.83000	2112.98001	.00000	.00000	-.02700	-.11540	-.07140	-.01500
-5.040	4.130	42.80000	2112.98001	.00000	.00000	-.02940	-.11290	-.08680	-.01270
-5.030	6.220	42.62000	2113.03000	.00000	.00000	-.03180	-.11100	-.10110	-.00810
	GRADIENT	-.03152	.02187	.00000	.00000	-.00153	.00107	-.00683	.00034

RUN NO. 76/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHE1	CHEO	CHMD	CHMS	CHMD	CHMS
-2.010	.000	43.11000	2113.07999	.00000	.00000	-.01480	-.11580	-.03140	-.01750
-2.010	2.080	42.89000	2112.94000	.00000	.00000	-.01610	-.11370	-.04160	-.01640
-2.010	4.140	42.83000	2112.92001	.00000	.00000	-.01840	-.11140	-.05490	-.01430
-2.010	6.200	42.89000	2112.98999	.00000	.00000	-.02060	-.10920	-.06900	-.01380
	GRADIENT	-.06769	-.03869	.00000	.00000	-.00087	.00106	-.00558	.00077

RUN NO. 77/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHE1	CHEO	CHMD	CHMS	CHMD	CHMS
-1.020	.000	42.77000	2112.81000	.00000	.00000	-.01140	-.11470	-.02170	-.01920
-1.020	2.060	42.84000	2112.87000	.00000	.00000	-.01300	-.11290	-.03130	-.01660
-1.020	4.140	42.92000	2113.04999	.00000	.00000	-.01530	-.11020	-.04270	-.01480
-1.020	6.210	42.85000	2112.82999	.00000	.00000	-.01750	-.10800	-.05730	-.01390
	GRADIENT	.03624	.05800	.00000	.00000	-.00094	.00109	-.00507	.00106

RUN NO. 78/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHE1	CHEO	CHMD	CHMS	CHMD	CHMS
.000	.000	42.97000	2112.98999	.00000	.00000	-.00830	-.11540	-.01210	-.02010
.000	2.090	42.81000	2112.89001	.00000	.00000	-.01000	-.11300	-.02150	-.01690
.000	4.140	42.96000	2112.84000	.00000	.00000	-.01190	-.11040	-.03080	-.01580
.000	6.210	42.92000	2112.92001	.00000	.00000	-.01420	-.10760	-.04470	-.01410
	GRADIENT	-.00266	-.03627	.00000	.00000	-.00087	.00121	-.00452	.00104

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OAI638 - FORCE SOURCE DATA TABULATION

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OAI638 B68C12620M16N28W127E5F10V8R5X911

(RFPH09) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XHRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YHRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZHRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 36.000 THETMR = 5.600

RUN NO. 79/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
1.000	.010	42.97000	2112.95001	.00000	.00000	-.00550	-.11540	-.00430	-.01540
1.000	2.070	42.59000	2113.01001	.00000	.00000	-.00720	-.11280	-.01190	-.01840
1.000	4.120	42.77000	2112.92001	.00000	.00000	-.00890	-.11050	-.02140	-.01680
	6.190	42.84000	2112.85999	.00000	.00000	-.01100	-.10770	-.03200	-.01470
	GRADIENT	-.04875	-.00719	.00000	.00000	-.00082	.00119	-.00414	-.00034

RUN NO. 80/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
1.990	.000	42.98000	2112.92999	.00000	.00000	-.00360	-.11450	-.00300	-.01140
1.990	2.060	42.81000	2112.98001	.00000	.00000	-.00500	-.11260	-.00310	-.02070
1.990	4.120	42.81000	2112.92999	.00000	.00000	-.00660	-.11030	-.01210	-.01720
	6.210	42.82000	2112.92999	.00000	.00000	-.00810	-.10780	-.01950	-.01560
	GRADIENT	-.04126	.00000	.00000	.00000	-.00073	.00102	-.00367	-.00141

RUN NO. 81/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
5.020	.000	43.10000	2113.00000	.00000	.00000	.00070	-.11580	.02750	-.00770
5.020	2.060	42.83000	2113.01001	.00000	.00000	.00000	-.11430	.02370	-.01360
5.020	4.130	42.69000	2112.98001	.00000	.00000	-.00080	-.11220	.01830	-.01700
	6.200	42.89000	2113.04001	.00000	.00000	-.00170	-.10970	.00810	-.01700
	GRADIENT	-.03925	-.00485	.00000	.00000	-.00036	.00087	-.00223	-.00225

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OAI63B - FORCE SOURCE DATA TABULATION

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OAI63B B68C12020M16N28H127E5F10V8R5X911

(RFPH10) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6900 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDELAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 26.000 THETMR = 4.000

RUN NO. 83/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	O(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-5.030	.000	42.88000	2112.32999	.00000	.00000	-.02430	-.11710	-.04830	-.00810
-5.040	2.080	42.83000	2112.29999	.00000	.00000	-.02740	-.11560	-.05560	-.00930
-5.040	4.160	42.81000	2112.22000	.00000	.00000	-.02990	-.11360	-.06470	-.00920
-5.040	6.210	43.01000	2112.32001	.00000	.00000	-.03250	-.11090	-.07100	-.00600
GRADIENT		-.01683	-.02643	.00000	.00000	-.00135	.00084	-.00394	-.00026

RUN NO. 84/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	O(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-2.020	.000	43.00000	2112.39001	.00000	.00000	-.01410	-.11600	-.02590	-.00940
-2.020	2.070	43.04000	2112.32999	.00000	.00000	-.01630	-.11400	-.03590	-.00830
-2.010	4.120	42.78000	2112.26999	.00000	.00000	-.01840	-.11210	-.04470	-.00760
-2.010	6.200	42.92000	2112.17001	.00000	.00000	-.02080	-.10960	-.05680	-.00890
GRADIENT		-.05328	-.02913	.00000	.00000	-.00104	.00095	-.00456	.00044

RUN NO. 85/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	O(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-.990	.000	42.92000	2112.22000	.00000	.00000	-.01090	-.11530	-.01790	-.01010
-.990	2.070	42.87000	2112.29999	.00000	.00000	-.01280	-.11290	-.02690	-.00830
-.990	4.130	42.84000	2112.32999	.00000	.00000	-.01490	-.11080	-.03580	-.00730
-1.000	6.220	42.88000	2112.16000	.00000	.00000	-.01750	-.10870	-.04850	-.00810
GRADIENT		-.01937	.02664	.00000	.00000	-.00097	.00109	-.00433	.00068

RUN NO. 86/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	O(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-.010	.000	42.89000	2112.29001	.00000	.00000	-.00800	-.11550	-.01180	-.01130
-.010	2.060	42.86000	2112.26999	.00000	.00000	-.00990	-.11330	-.01930	-.00870
-.010	4.120	42.96000	2112.29001	.00000	.00000	-.01170	-.11080	-.02770	-.00800
-.010	6.190	42.86000	2112.31000	.00000	.00000	-.01370	-.10800	-.03760	-.00770
GRADIENT		.01699	.00000	.00000	.00000	-.00090	.00114	-.00386	.00080

(RFPH10) (17 FEB 77)

OAI63B B68C12020M16N28W127E5F10V8R5X911

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0405XHRP = 1076.6800 IN. XO
YHRP = .0000 IN. YO
ZHRP = 375.0000 IN. ZOSPOBRK =
ELV-L =
PHI-N =
PHI-ML =
PHI-MR =BDFLAP = .000
ELV-R = .000
THETAN = 108.000
THETML = 5.000
THETMR = 4.000

PARAMETRIC DATA

25.000
.000
66.000
32.200
26.000

RUN NO. 87/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
1.990
.990
.990
.990ALPHA
.000
2.060
4.120
6.190
GRADIENT

Q(PSF)

PO

42.88000 2112.33001
42.89000 2112.29999
42.80000 2112.31000
42.98000 2112.32001
-.01942 -.01943CHEI
.00000
.00000
.00000
.00000
.00000CHEO
.00000
.00000
.00000
.00000
.00000CHMD
-.00550
-.00710
-.00890
-.01060
-.00083CHMS
-.11550
-.11340
-.11090
-.10780
-.00112CHMD
-.00560
-.01180
-.01990
-.02760
-.00347CHMS
-.01200
-.00920
-.00800
-.00750
-.00097

RUN NO. 88/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
1.990
1.990
1.990
1.990ALPHA
.000
2.070
4.120
6.220
GRADIENT

Q(PSF)

PO

42.98000 2112.29001
42.73000 2112.29999
42.79000 2112.26999
42.86000 2112.35999
-.04624 -.00483CHEI
.00000
.00000
.00000
.00000
.00000CHEO
.00000
.00000
.00000
.00000
.00000CHMD
-.00340
-.00490
-.00640
-.00800
-.00073CHMS
-.11500
-.11290
-.11070
-.10830
-.00104CHMD
-.00070
-.00570
-.01310
-.02020
-.00301CHMS
-.00830
-.00560
-.00830
-.00760
-.00000

RUN NO. 89/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
5.020
5.020
5.020
5.020ALPHA
.000
2.060
4.120
6.200
GRADIENT

Q(PSF)

PO

42.84000 2112.31000
42.74000 2112.17999
42.78000 2112.38000
42.66000 2112.32001
-.01456 .01697CHEI
.00000
.00000
.00000
.00000
.00000CHEO
.00000
.00000
.00000
.00000
.00000CHMD
.00090
.00010
-.00070
-.00180
-.00039CHMS
-.11630
-.11450
-.11250
-.11020
-.00092CHMD
.01710
.01230
.00810
.00100
-.00218CHMS
-.00360
-.00740
-.01150
-.00890
-.00192

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OAI63B - FORCE SOURCE DATA TABULATION

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OAI63B BE8C12G20M16N28W127E5F10V8R5X911

(RFPH11) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 88.000 THETML = 98.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 90/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-5.030	.000	42.97000	2113.09000	.00000	.00000	-.02510	-.11660	-.05320	-.01110
-5.030	2.050	42.81000	2113.04001	.00000	.00000	-.02780	-.11490	-.06390	-.01070
-5.030	4.130	42.75000	2113.10001	.00000	.00000	-.03020	-.11260	-.07500	-.00860
-5.030	6.190	42.79000	2113.00000	.00000	.00000	-.03330	-.11070	-.08710	-.00660
	GRADIENT	-.05321	.00248	.00000	.00000	-.00123	.00097	-.00528	.00061

RUN NO. 91/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-2.010	.000	42.98000	2113.10999	.00000	.00000	-.01450	-.11570	-.02770	-.00480
-2.010	2.060	42.76000	2113.04001	.00000	.00000	-.01670	-.11380	-.03670	-.01210
-2.010	4.100	42.82000	2113.01001	.00000	.00000	-.01890	-.11150	-.04980	-.00920
-2.000	6.170	42.83000	2113.00000	.00000	.00000	-.02130	-.10900	-.06200	-.00900
	GRADIENT	-.03914	-.02442	.00000	.00000	-.00107	.00102	-.00539	-.00108

RUN NO. 92/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
-1.000	-.020	43.26000	2113.04999	.00000	.00000	-.01150	-.11420	-.01860	-.00320
-1.010	2.030	42.85000	2113.07001	.00000	.00000	-.01310	-.11240	-.02670	-.01290
-1.010	4.110	42.85000	2113.04999	.00000	.00000	-.01540	-.11000	-.03980	-.00960
-1.010	6.170	42.80000	2113.01999	.00000	.00000	-.01770	-.10790	-.05170	-.00880
	GRADIENT	-.09903	-.00004	.00000	.00000	-.00094	.00102	-.00514	-.00154

RUN NO. 93/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
.010	-.030	42.93000	2112.95999	.00000	.00000	-.00840	-.11510	-.01090	-.00240
.010	2.030	42.84000	2113.07999	.00000	.00000	-.01030	-.11260	-.01940	-.00630
.010	4.100	42.86000	2113.01001	.00000	.00000	-.01230	-.11010	-.02330	-.01110
.010	6.170	42.79000	2112.98001	.00000	.00000	-.01440	-.10770	-.04130	-.00900
	GRADIENT	-.01693	.01208	.00000	.00000	-.00094	.00121	-.00446	-.00211

OAI63B B68C12020M16N26M1275F10V8R5X911

(RFPH11) (17 FEB 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

SPDBRK =
 ELV-L =
 PHI-N =
 PHI-ML =
 PHI-MR =

25.000 BDFLAP =
 .000 ELV-R =
 66.000 THETAN =
 88.000 THETML =
 32.200 THETMR =

.000
 .000
 108.000
 98.000
 5.000

PARAMETRIC DATA

RUN NO. 94/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
1.010
1.010
1.010
1.010ALPHA
-.030
2.060
4.100
6.190Q(PSF)
43.08000
42.91000
42.91000
42.91000PO
2113.10999
2113.09000
2113.14001
2112.92999CHEI
.00000
.00000
.00000
.00000CHEO
.00000
.00000
.00000
.00000CHMD
-.00590
-.00770
-.00940
-.01140CHMS
-.11510
-.11270
-.11030
-.10790CHMD
-.00430
-.01250
-.01990
-.03290
-.00378CHMS
-.00120
-.00340
-.01260
-.00930
-.00268

RUN NO. 95/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
1.990
1.990
2.000
2.000ALPHA
.000
2.030
4.110
6.180Q(PSF)
43.16000
42.84000
42.79000
42.80000PO
2113.01999
2113.13000
2113.04999
2112.98001CHEI
.00000
.00000
.00000
.00000CHEO
.00000
.00000
.00000
.00000CHMD
-.00390
-.00540
-.00660
-.00850CHMS
-.11450
-.11280
-.11010
-.10770CHMD
-.00140
-.00510
-.01310
-.02310
-.00353CHMS
-.00120
-.00250
-.00710
-.01030
-.00144

RUN NO. 96/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.00/ 5.00

BETA
5.040
5.030
5.030
5.030ALPHA
-.020
2.050
4.100
6.190Q(PSF)
43.12000
42.88000
42.72000
42.78000PO
2113.12000
2113.14001
2113.09000
2113.07001CHEI
.00000
.00000
.00000
.00000CHEO
.00000
.00000
.00000
.00000CHMD
.00040
.00000
-.00080
-.00200CHMS
-.11540
-.11390
-.11190
-.10990CHMD
.02030
.01520
.00850
.00010
-.00286CHMS
-.00060
-.00160
-.00230
-.00490
-.00041

DATE 25 APR 77

0A163B - FORCE SOURCE DATA TABULATION

(RFPH12) (17 FEB 77)

0A163B B68C12G20M16N28H127E5F10V8R5X921

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.9100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = 5.000 ELV-R = 5.000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO. 50/ 0 RN/L " 1.19 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
4.180	-5.050	42.88000	2115.12000	.00000	.00000	-.00650	-.00250	-.10010	-.00930
4.170	-4.020	42.73000	2115.04001	.00000	.00000	-.00460	-.00270	-.08500	-.00970
4.180	-2.970	42.99000	2115.04999	.00000	.00000	-.00280	-.00240	-.06970	-.01090
4.170	-2.040	42.81000	2115.09000	.00000	.00000	-.00110	-.00200	-.05520	-.01120
4.180	-1.040	42.87000	2115.03000	.00000	.00000	.00000	-.00170	-.04130	-.01160
4.170	-.020	42.82000	2115.09000	.00000	.00000	.00120	-.00160	-.03090	-.01170
4.170	.970	42.82000	2115.10999	.00000	.00000	.00220	-.00160	-.02220	-.01250
4.170	1.970	42.89000	2115.07001	.00000	.00000	.00270	-.00160	-.01420	-.01230
4.170	2.990	43.03000	2115.14999	.00000	.00000	.00330	-.00160	-.00630	-.01280
4.170	4.050	42.77000	2115.17999	.00000	.00000	.00350	-.00160	.00200	-.01320
4.170	5.000	42.75000	2115.07999	.00000	.00000	.00390	-.00170	.01260	-.01390
	GRADIENT	-.00118	.01037	.00000	.00000	.00092	.00010	.01035	-.00039

OAI63B B68C12G20M16N28M127E5F10V8R5X921

(RFPH13) (17 FEB 77)

REFERENCE DATA

SREF = 2650.0000 SQ.FT. XMRP = 1076.6800 IN. X0
LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
ELV-L = .000 ELV-R = .000
PHI-N = 66.000 THETAN = 6.000
PHI-MR = 32.200 THETML = 5.000
PHI-MR = 36.000 THETMR = 5.600

RUN NO. 82/ 0 RN/L = 1.19 GRADIENT INTERVAL = -5.03/ 5.00

ALPHA	BETA	Q(PSF)	PO	CHEI	CHEO	CHMD	CHMS	CHMD	CHMS
4.120	-5.030	42.87000	2113.03000	.00000	.00000	-.02990	-.11340	-.08650	-.01260
4.120	-4.040	42.93000	2112.92001	.00000	.00000	-.02590	-.11320	-.07840	-.01390
4.120	-2.950	42.90000	2112.92999	.00000	.00000	-.02220	-.11280	-.05800	-.01420
4.120	-2.010	42.94000	2113.01001	.00000	.00000	-.01870	-.11170	-.05590	-.01420
4.120	-1.020	42.82000	2112.92999	.00000	.00000	-.01540	-.11060	-.04350	-.01460
4.120	.000	43.08000	2112.92001	.00000	.00000	-.01190	-.11050	-.03120	-.01590
4.120	1.020	42.82000	2112.85999	.00000	.00000	-.00920	-.11070	-.02220	-.01730
4.120	2.000	42.80000	2112.98999	.00000	.00000	-.00670	-.11030	-.01240	-.01640
4.120	2.990	42.95000	2112.91000	.00000	.00000	-.00440	-.11100	-.00240	-.01780
4.120	4.070	42.88000	2112.85999	.00000	.00000	-.00250	-.11120	.00710	-.01840
4.120	5.030	42.95000	2112.92999	.00000	.00000	-.00080	-.11190	.01920	-.02090
	GRADIENT	-.00550	-.00687	.00000	.00000	.00294	.00027	.01072	-.00060

Pressure Data

REFERENCE DATA

SREF = 2690.0000 SQ.FT.

LREF = 474.8100 INCHES

BREF = 936.6800 INCHES

SCALE = .0405

XMRP = 1076.7000 IN. XO

YMRP = .0000 IN. YO

ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

SPOBRK = 25.000

ELV-L = .000

PHI-N = 30.800

PHI-ML = 32.200

PHI-MR = 32.200

BDFLAP = .000

ELV-R = .000

THETAN = 5.000

THETML = 5.000

THETMR = 5.000

BETA (1) = -5.040

ALPHA (1) = -2.060

Q(PSF) = 42.911

PO = 2119.2

RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.5763	-.6643	-.7848
.200	-.1028	-.0980	-.1399
.410	-.1871	-.1847	-.2064
.590	-.2100	-.2064	-.2100
.770	-.2155	-.2269	-.2316
.950	-.2605	-.2546	-.2377

BETA (1) = -4.040

ALPHA (2) = .010

Q(PSF) = 42.911

PO = 2119.2

RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.5445	-.5397	-.7050
.200	-.0559	-.0378	-.0728
.410	-.1343	-.1319	-.1535
.590	-.1596	-.1572	-.1596
.770	-.1693	-.1838	-.1845
.950	-.2284	-.2224	-.2007

BETA (1) = -5.050

ALPHA (3) = 2.070

Q(PSF) = 42.911

PO = 2119.2

RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.4434	-.4614	-.5671
.200	-.0100	.0079	-.0088
.410	-.0916	-.0832	-.0976
.590	-.1168	-.1120	-.1144
.770	-.1323	-.1420	-.1434
.950	-.1949	-.1865	-.1624

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

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(RFPN01)

OA163B NOSE GEAR DUCK OUTER SURFACE

BETA (1) = -5.060 ALPHA (4) = 6.210 Q(PSF) = 42.911 PO = 2119.2 RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3078	-.2693	-.3549
.200	.0839	.1020	.1153
.410	.0068	.0212	.0092
.590	-.0257	-.0135	-.0172
.770	-.0451	-.0534	-.0522
.950	-.1185	-.1029	-.0799

BETA (1) = -5.060 ALPHA (5) = 8.280 Q(PSF) = 42.911 PO = 2119.2 RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2373	-.1832	-.2433
.200	.1330	.1547	.1727
.410	.0561	.0705	.0609
.590	.0224	.0344	.0356
.770	-.0027	-.0054	-.0037
.950	-.0773	-.0653	-.0364

BETA (1) = -5.050 ALPHA (6) = 10.330 Q(PSF) = 42.911 PO = 2119.2 RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.1174	-.1055	-.1282
.200	.1775	.1988	.2225
.410	.1071	.1226	.1142
.590	.0712	.0808	.0844
.770	.0432	.0390	.0432
.950	-.0386	-.0207	.0091

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DC OR OUTER SURFACE (RFPN01)

BETA (2) = -4.040 ALPHA (1) = -2.050 Q(PSF) = 42.777 P0 = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6013 -.6229 -.8065
 .200 -.0999 -.0843 -.1371
 .410 -.1779 -.1803 -.2019
 .590 -.1995 -.2007 -.2043
 .770 -.2075 -.2223 -.2246
 .950 -.2559 -.2523 -.2343

BETA (2) = -4.040 ALPHA (2) = .010 Q(PSF) = 42.777 P0 = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5367 -.5343 -.7018
 .200 -.0558 -.0389 -.0727
 .410 -.1329 -.1281 -.1498
 .590 -.1553 -.1546 -.1570
 .770 -.1661 -.1799 -.1813
 .950 -.2245 -.2185 -.1958

BETA (2) = -4.040 ALPHA (3) = 2.070 Q(PSF) = 42.777 P0 = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4715 -.4425 -.5959
 .200 -.0100 -.0056 -.0076
 .410 -.0861 -.0801 -.0982
 .590 -.1127 -.1079 -.1139
 .770 -.1271 -.1381 -.1312
 .950 -.1912 -.1828 -.1586

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

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OA163B NOSE GEAR DR OR OUTER SURFACE (RFPN01)

BETA (2) = -4.040 ALPHA (4) = 4.130 Q(PSF) = 42.777 PO = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4059	-.3564	-.4820
.200	.0370	.0326	.0526
.410	-.0414	-.0305	-.0462
.590	-.0704	-.0631	-.0643
.770	-.0856	-.0937	-.0936
.950	-.11549	-.1404	-.1174

BETA (2) = -4.040 ALPHA (5) = 6.180 Q(PSF) = 42.777 PO = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3367	-.2728	-.3717
.200	.0815	.1044	.1153
.410	.0056	.0189	.0068
.590	-.0245	-.0148	-.0184
.770	-.0451	-.0522	-.0522
.950	-.1185	-.1028	-.0763

BETA (2) = -4.040 ALPHA (6) = 8.270 Q(PSF) = 42.777 PO = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2659	-.1935	-.2647
.200	.1311	.1528	.1686
.410	.0563	.0684	.0563
.590	.0237	.0333	.0345
.770	.0012	-.0052	.0022
.950	-.0812	-.0631	-.0305

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR D/J OR OUTER SURFACE (RFPN01)

BETA (3) = -2.960 ALPHA (1) = -2.070 Q(PSF) = 42.885 PO = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND OR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6382 -.6131 -.8199
 .200 -.1055 -.0995 -.1365
 .410 -.1712 -.1748 -.2010
 .590 -.1939 -.1951 -.2022
 .770 -.2026 -.2166 -.2246
 .950 -.2476 -.2488 -.2321

BETA (3) = -2.960 ALPHA (2) = .000 Q(PSF) = 42.885 PO = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND OR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5801 -.5332 -.7160
 .200 -.0559 -.0521 -.0725
 .410 -.1339 -.1267 -.1495
 .590 -.1543 -.1531 -.1603
 .770 -.1648 -.1784 -.1809
 .950 -.2241 -.2145 -.1940

BETA (3) = -2.960 ALPHA (3) = 2.050 Q(PSF) = 42.885 PO = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND OR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5100 -.4508 -.6114
 .200 -.0136 -.0016 -.0100
 .410 -.0909 -.0813 -.1018
 .590 -.1163 -.1066 -.1151
 .770 -.1260 -.1368 -.1371
 .950 -.1912 -.1791 -.1549

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR OUTER SURFACE (RFPN01)

BETA (3) = -2.960 ALPHA (4) = 4.130 Q(PSF) = 42.885 P0 = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL			
.050	-.4365	-.3679	-.4980
.200	.0357	.0502	.0538
.410	-.0401	-.0293	-.0486
.590	-.0690	-.0618	-.0642
.770	-.0854	-.0943	-.0935
.950	-.1582	-.1401	-.1124

BETA (3) = -2.960 ALPHA (5) = 6.190 Q(PSF) = 42.885 P0 = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL			
.050	-.3670	-.2922	-.3887
.200	.0791	.0996	.1105
.410	.0059	.0176	.0044
.590	-.0245	-.0160	-.0185
.770	-.0481	-.0522	-.0481
.950	-.1198	-.1017	-.0739

BETA (3) = -2.960 ALPHA (6) = 8.270 Q(PSF) = 42.885 P0 = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL			
.050	-.2963	-.2101	-.2843
.200	.1254	.1469	.1601
.410	.0571	.0642	.0559
.590	.0223	.0283	.0307
.770	-.0007	-.0099	-.0077
.950	-.0842	-.0627	-.0303

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR [OOR OUTER SURFACE (RFPN01)

BETA (4) = -2.010 ALPHA (1) = -2.080 Q(PSF) = 42.825 P0 = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6889 -.6240 -.8247
 .200 -.1085 -.1037 -.1361
 .410 -.1770 -.1686 -.1572
 .590 -.1962 -.1902 -.2034
 .770 -.1998 -.2130 -.2199
 .950 -.2515 -.2419 -.2287

BETA (4) = -2.010 ALPHA (2) = -.010 Q(PSF) = 42.825 P0 = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6110 -.5425 -.7204
 .200 -.0505 -.0559 -.0713
 .410 -.1338 -.1278 -.1506
 .590 -.1534 -.1454 -.1578
 .770 -.1687 -.1759 -.1778
 .950 -.2239 -.2095 -.1691

BETA (4) = -2.010 ALPHA (3) = 2.050 Q(PSF) = 42.825 P0 = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5458 -.4627 -.6157
 .200 -.0184 -.0040 -.0076
 .410 -.0895 -.0774 -.1015
 .590 -.1160 -.1051 -.1147
 .770 -.1287 -.1352 -.1357
 .950 -.1930 -.1750 -.1497

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(RFPN01)

NOSE GEAR LOOR OUTER SURFACE

RUN NO = 4.0000

BETA (4) = -2.020 ALPHA (4) = 4.140 Q(PSF) = 42.825 PO = 2114.9

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4746 -.3841 -.5144
 .200 .0237 .0442 .0478
 .410 -.0450 -.0305 -.0510
 .590 -.0691 -.0619 -.0643
 .770 -.0865 -.0945 -.0906
 .950 -.1596 -.1415 -.1065

BETA (4) = -2.020 ALPHA (5) = 6.220 Q(PSF) = 42.825 PO = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4037 -.2998 -.4097
 .200 .0708 .0937 .1022
 .410 .0068 .0152 .0020
 .590 -.0233 -.0151 -.0135
 .770 -.0452 -.0511 -.0442
 .950 -.1223 -.1030 -.0656

BETA (4) = -2.020 ALPHA (6) = 8.280 Q(PSF) = 42.825 PO = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3240 -.2265 -.2987
 .200 .1162 .1415 .1451
 .410 .0561 .0621 .0525
 .590 .0224 .0284 .0284
 .770 -.0027 -.0112 -.0027
 .950 -.0834 -.0665 -.0292

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPND1)

OA163B NOSE GEAR [OOR OUTER SURFACE

BETA (5) = -1.020 ALPHA (1) = -2.080 Q(PSF) = 42.920 PO = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7283 -.6445 -.8372
 .200 -.1213 -.1105 -.1368
 .410 -.1847 -.1704 -.2027
 .590 -.2039 -.1919 -.2051
 .770 -.2101 -.2135 -.2211
 .950 -.2566 -.2434 -.2278

BETA (5) = -1.020 ALPHA (2) = .010 Q(PSF) = 42.920 PO = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6506 -.5495 -.7313
 .200 -.0750 -.0570 -.0702
 .410 -.1376 -.1256 -.1497
 .590 -.1539 -.1473 -.1559
 .770 -.1700 -.1714 -.1741
 .950 -.2243 -.2093 -.1834

BETA (5) = -1.020 ALPHA (3) = 2.070 Q(PSF) = 42.920 PO = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5846 -.4774 -.6280
 .200 -.0293 -.0088 -.0160
 .410 -.0931 -.0823 -.1003
 .590 -.1172 -.1088 -.1124
 .770 -.1308 -.1377 -.1308
 .950 -.1967 -.1774 -.1461

OA1638 NOSE GEAR DOOR OUTER SURFACE (RFPN01)

BETA (5) = -1.020 ALPHA (4) = 4.130 Q(PSF) = 42.9:0 P0 = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C1'

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5080 -.3940 -.5296
 .200 .0151 .0367 .0391
 .410 -.0448 -.0376 -.0508
 .590 -.0724 -.0676 -.0616
 .770 -.0921 -.0976 -.0891
 .950 -.1600 -.1420 -.1060

BETA (5) = -1.030 ALPHA (5) = 6.180 Q(PSF) = 42.9:0 P0 = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C1'

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4301 -.3085 -.4217
 .200 .0609 .0996 .0374
 .410 .0032 .0080 .0007
 .590 -.0230 -.0220 -.0172
 .770 -.0541 -.0557 -.0450
 .950 -.1256 -.1027 -.0666

BETA (5) = -1.030 ALPHA (6) = 8.260 Q(PSF) = 42.9:0 P0 = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C1'

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3527 -.2436 -.3179
 .200 .1026 .1314 .1290
 .410 .0535 .0571 .0439
 .590 .0163 .0211 .0235
 .770 -.0067 -.0135 -.0047
 .950 -.0890 -.0675 -.0303

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OA163B NOSE GEAR DOOR OUTER SURFACE (RFPN01)

BETA (6) = .000 ALPHA (1) = -2.050 Q(PSF) = 43.4 8 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C1'

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7450 -.6471 -.8345
 .200 -.1316 -.1113 -.1328
 .410 -.1841 -.1698 -.1961
 .590 -.2020 -.1889 -.1984
 .770 -.2104 -.2140 -.2134
 .950 -.2581 -.2426 -.2199

BETA (6) = .000 ALPHA (2) = .000 Q(PSF) = 43.4 8 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C1'

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5819 -.5687 -.7474
 .200 -.0909 -.0695 -.0814
 .410 -.1445 -.1302 -.1517
 .590 -.1650 -.1529 -.1664
 .770 -.1762 -.1791 -.1722
 .950 -.2327 -.2160 -.1850

BETA (6) = .000 ALPHA (3) = 2.060 Q(PSF) = 43.4 8 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C1'

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6010 -.4857 -.6427
 .200 -.0467 -.0265 -.0265
 .410 -.0955 -.0872 -.1015
 .590 -.1217 -.1122 -.1098
 .770 -.1371 -.1407 -.1301
 .950 -.2014 -.1812 -.1467

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OA1639 PRESSURE DATA LISTING

(RFPNO11)

OA1638 NOSE GEAR DOOR OUTER SURFACE

RUN NO = 6.0000

PO = 2113.6

BETA (6) = .000 ALPHA (4) = 4.110 Q(PSF) = 43.4.8

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE C'

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5328 -.4024 -.5411

.200 -.0015 -.0292 -.0233

.410 -.0525 -.0347 -.0513

.590 -.0774 -.0691 -.0668

.770 -.0940 -.1000 -.0880

.950 -.1640 -.1439 -.1071

BETA (6) = .000 ALPHA (5) = 6.200 Q(PSF) = 43.4.8 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4608 -.3246 -.4324

.200 .0410 .0717 .0592

.410 -.0004 .0007 -.0063

.590 -.0311 -.0240 -.0228

.770 -.0571 -.0607 -.0492

.950 -.1270 -.1081 -.0702

BETA (6) = .000 ALPHA (6) = 8.280 Q(PSF) = 43.4.8 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CI'

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3739 -.2533 -.3113

.200 .0894 .1166 .1095

.410 .0457 .0468 .0386

.590 .0102 .0161 .0173

.770 -.0155 -.0181 -.0066

.950 -.0914 -.0713 -.0299

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR OUTER SURFACE (REFNO1)

BETA (7) = 1.000 ALPHA (1) = -2.060 Q(PSF) = 43.823 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7567 -.6529 -.8417
 .200 -.1420 -.1254 -.1384
 .410 -.1903 -.1750 -.1927
 .590 -.2104 -.1951 -.1974
 .770 -.2189 -.2175 -.2101
 .950 -.2706 -.2493 -.2187

BETA (7) = 1.000 ALPHA (2) = .000 Q(PSF) = 43.823 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6886 -.5802 -.7523
 .200 -.1029 -.0828 -.0854
 .410 -.1488 -.1347 -.1477
 .590 -.1712 -.1583 -.1559
 .770 -.1802 -.1818 -.1703
 .950 -.2408 -.2231 -.1877

BETA (7) = 1.000 ALPHA (3) = 2.060 Q(PSF) = 43.823 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6231 -.4900 -.6513
 .200 -.0580 -.0345 -.0368
 .410 -.1028 -.0910 -.1004
 .590 -.1298 -.1181 -.1098
 .770 -.1435 -.1440 -.1337
 .950 -.2075 -.1899 -.1522

(RFPND1)

OA163B NOSE GEAR DOOR OUTER SURFACE

BETA (7) = 1.000 ALPHA (4) = 4.110 Q(PSF) = 43.833 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C3

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5566	-.4155	-.5448
.200	-.0168	.0113	.0056
.410	-.0580	-.0521	-.0559
.590	-.0850	-.0744	-.0709
.770	-.1050	-.1050	-.0932
.950	-.1662	-.1544	-.1168

BETA (7) = 1.000 ALPHA (5) = 6.190 Q(PSF) = 43.833 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C3

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4797	-.3376	-.4245
.200	.0266	.0571	.0454
.410	-.0144	-.0062	-.0133
.590	-.0415	-.0344	-.0297
.770	-.0666	-.0650	-.0538
.950	-.1366	-.1190	-.0802

BETA (7) = 1.000 ALPHA (6) = 8.260 Q(PSF) = 43.833 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C3

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3947	-.2644	-.3090
.200	.0711	.0981	.0897
.410	.0348	.0418	.0324
.590	.0031	.0113	.0113
.770	-.0243	-.0262	-.0085
.950	-.1036	-.0825	-.0403

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OA1638 NOSE GEAR DOOR OUTER SURFACE (RFPN01)

BETA (8) = 1.980 ALPHA (1) = -2.070 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE C³

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7703 -.6671 -.8488
 .200 -.1586 -.1410 -.1468
 .410 -.2007 -.1808 -.1914
 .590 -.2242 -.2007 -.1949
 .770 -.2341 -.2218 -.2086
 .950 -.2875 -.2546 -.2218

BETA (8) = 1.980 ALPHA (2) = -.010 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE C³

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7280 -.6061 -.7762
 .200 -.1222 -.1017 -.1005
 .410 -.1621 -.1464 -.1500
 .590 -.1852 -.1657 -.1584
 .770 -.2037 -.1898 -.1764
 .950 -.2622 -.2296 -.1946

BETA (8) = 1.980 ALPHA (3) = 2.060 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE C³

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6628 -.5209 -.6712
 .200 -.0809 -.0509 -.0533
 .410 -.1194 -.1038 -.1062
 .590 -.1446 -.1266 -.1182
 .770 -.1627 -.1530 -.1385
 .950 -.2276 -.1963 -.1603

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFPN011)

OAI638 NOSE GEAR DOOR OUTER SURFACE

BETA (8) = 1.980 ALPHA (4) = 4.120 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5853 -.4359 -.5586
 .200 -.0389 -.0052 -.0172
 .410 -.0713 -.0593 -.0617
 .590 -.0990 -.0846 -.0786
 .770 -.1165 -.1123 -.1014
 .950 -.1893 -.1604 -.1231

BETA (8) = 1.980 ALPHA (5) = 6.180 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5156 -.3600 -.4360
 .200 .0056 .0418 .0285
 .410 -.0257 -.0160 -.0185
 .590 -.0547 -.0414 -.0366
 .770 -.0775 -.0752 -.0573
 .950 -.1488 -.1283 -.0824

BETA (8) = 1.980 ALPHA (6) = 8.280 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4200 -.2805 -.3214
 .200 .0561 .0789 .0657
 .410 .0224 .0308 .0248
 .590 -.0100 .0031 .0019
 .770 -.0359 -.0352 -.0128
 .950 -.1098 -.0881 -.0412

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN01)

OAI63B NOSE GEAF DOOR OUTER SURFACE

BETA (9) = 2.990 ALPHA (1) = -2.060 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.8171 -.6992 -.8844
 .200 -.1880 -.1639 -.1639
 .410 -.2241 -.1952 -.1952
 .590 -.2590 -.2133 -.2024
 .770 -.2715 -.2337 -.2171
 .950 -.3263 -.2626 -.2289

BETA (9) = 2.990 ALPHA (2) = .000 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7430 -.6155 -.7804
 .200 -.1460 -.1171 -.1183
 .410 -.1773 -.1544 -.1495
 .590 -.2122 -.1737 -.1629
 .770 -.2304 -.1942 -.1790
 .950 -.2941 -.2267 -.1942

BETA (9) = 2.990 ALPHA (3) = 2.080 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6625 -.5274 -.6589
 .200 -.1017 -.0715 -.0775
 .410 -.1306 -.1149 -.1065
 .590 -.1688 -.1282 -.1222
 .770 -.1935 -.1511 -.1380
 .950 -.2572 -.1897 -.1547

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0A163B NOSE GEAR DOOR OUTER SURFACE (RFPN01)

BETA (9) = 2.990 ALPHA (4) = 4.120 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6075 -.4521 -.5437
 .200 -.0618 -.0232 -.0355
 .410 -.0871 -.0690 -.0702
 .590 -.1184 -.0919 -.0847
 .770 -.1479 -.1195 -.1005
 .950 -.2172 -.1618 -.1172

BETA (9) = 2.990 ALPHA (5) = 6.200 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5344 -.3652 -.4413
 .200 -.0124 -.0189 -.0004
 .410 -.0390 -.0233 -.0257
 .590 -.0716 -.0497 -.0451
 .770 -.0968 -.0801 -.0573
 .950 -.1743 -.1272 -.0825

BETA (9) = 2.980 ALPHA (6) = 8.260 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4200 -.2909 -.3452
 .200 .0333 .0555 .0393
 .410 .0055 .0188 .0152
 .590 -.0293 -.0100 -.0004
 .770 -.0501 -.0450 -.0179
 .950 -.1270 -.0956 -.0450

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(RFPN01)

OAI63B NOSE GEAL DOOR OUTER SURFACE
BETA (10) = 4.050 ALPHA (1) = -2.060 Q(PSF) = 42.107 PO = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.8174 -.7096 -.8809
.200 -.2124 -.1825 -.1825
.410 -.2447 -.2004 -.1956
.590 -.3058 -.2184 -.2064
.770 -.3235 -.2328 -.2183
.950 -.3418 -.2555 -.2244

BETA (10) = 4.040 ALPHA (2) = .000 Q(PSF) = 42.107 PO = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.7380 -.6251 -.7789
.200 -.1734 -.1433 -.1421
.410 -.1962 -.1625 -.1577
.590 -.2599 -.1805 -.1686
.770 -.2802 -.1998 -.1807
.950 -.3235 -.2250 -.1914

BETA (10) = 4.040 ALPHA (3) = 2.050 Q(PSF) = 42.107 PO = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.6769 -.5411 -.6529
.200 -.1313 -.0941 -.1037
.410 -.1458 -.1205 -.1157
.590 -.2155 -.1398 -.1325
.770 -.2401 -.1614 -.1435
.950 -.2900 -.1914 -.1542

OA1638 NOSE GEAR DOOR OUTER SURFACE (RFPN01)

BETA (10) = 4.050 ALPHA (4) = 4.110 Q(PSF) = 42.107 PO = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6124 -.4561 -.5451
 .200 -.0857 -.0461 -.0641
 .410 -.0966 -.0761 -.0761
 .590 -.1615 -.0978 -.0905
 .770 -.1970 -.1218 -.1023
 .950 -.2589 -.1591 -.1170

BETA (10) = 4.050 ALPHA (5) = 6.210 Q(PSF) = 42.107 PO = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5309 -.3753 -.4537
 .200 -.0414 -.0040 -.0245
 .410 -.0522 -.0355 -.0329
 .590 -.1053 -.0540 -.0438
 .770 -.1440 -.0860 -.0592
 .950 -.2210 -.1209 -.0775

BETA (10) = 4.050 ALPHA (6) = 8.280 Q(PSF) = 42.107 PO = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4473 -.3007 -.3608
 .200 -.0128 -.0344 -.0140
 .410 -.0064 -.0104 -.0055
 .590 -.0484 -.0160 -.0064
 .770 -.0811 -.0456 -.0188
 .950 -.1722 -.0893 -.0436

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0A1638 NOSE GEAR DOOR OUTER SURFACE (RFPN011)

BETA (11) = 5.010 ALPHA (1) = -2.070 Q(PSF) = 42.387 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND OR DR-O DEPENDENT VARIABLE :P

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.8157 -.7111 -.8710
 .200 -.2457 -.2132 -.2156
 .410 -.2806 -.2108 -.2012
 .590 -.3816 -.2228 -.2108
 .770 -.3500 -.2373 -.2221
 .950 -.3419 -.2529 -.2228

BETA (11) = 5.010 ALPHA (2) = .010 Q(PSF) = 42.387 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND OR DR-O DEPENDENT VARIABLE :P

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7383 -.6265 -.7587
 .200 -.2035 -.1625 -.1722
 .410 -.2287 -.1734 -.1626
 .590 -.3309 -.1830 -.1754
 .770 -.3216 -.1587 -.1648
 .950 -.3321 -.2179 -.1878

BETA (11) = 5.010 ALPHA (3) = 2.050 Q(PSF) = 42.387 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND OR DR-O DEPENDENT VARIABLE :P

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6906 -.5501 -.6569
 .200 -.1564 -.1169 -.1284
 .410 -.1694 -.1372 -.1240
 .590 -.2684 -.1444 -.1372
 .770 -.2971 -.1624 -.1434
 .950 -.3064 -.1876 -.1504

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(RFPN01)

NOSE GEAR DOOR OUTER SURFACE

BETA (11) = 5.010 ALPHA (4) = 4.130 Q(PSF) = 42.387 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6225 -.4732 -.5659
 .200 -.1087 -.0689 -.0870
 .410 -.1159 -.0682 -.0846
 .590 -.2446 -.1050 -.0954
 .770 -.2494 -.1255 -.1034
 .950 -.2807 -.1532 -.1135

BETA (11) = 5.010 ALPHA (5) = 6.180 Q(PSF) = 42.387 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5577 -.3976 -.4722
 .200 -.0642 -.0317 -.0485
 .410 -.0702 -.0497 -.0485
 .590 -.1845 -.0390 -.0581
 .770 -.2062 -.0918 -.0642
 .950 -.2555 -.1171 -.0810

BETA (11) = 5.010 ALPHA (6) = 8.250 Q(PSF) = 42.387 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4767 -.3299 -.3793
 .200 -.0100 .0092 -.0160
 .410 -.0232 -.0064 -.0076
 .590 -.1134 -.0304 -.0160
 .770 -.1638 -.0593 -.0249
 .950 -.2395 -.0846 -.0485

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFPN02) (27 APR 77)

OAI638 NOSE GEAR DOOR OUTER SURFACE

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
ELV-L = .000 ELV-R = .000
PHI-N = 30.800 THETAN = 5.000
PHI-ML = 36.000 THETML = 5.600
PHI-MR = 36.000 THETMR = 5.600

BETA (1) = -5.050 ALPHA (1) = -2.070 Q(PSF) = 42.322 PO = 2113.6 RUN NO = 12.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5769 -.6635 -.7791
.200 -.1027 -.0955 -.1388
.410 -.1893 -.1833 -.2050
.590 -.2098 -.2050 -.2098
.770 -.2133 -.2267 -.2304
.950 -.2604 -.2555 -.2387

BETA (1) = -5.050 ALPHA (2) = -.010 Q(PSF) = 42.322 PO = 2113.6 RUN NO = 12.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5102 -.5631 -.6773
.200 -.0545 -.2240 -.0737
.410 -.1410 -.0436 -.1543
.590 -.1663 -.1579 -.1603
.770 -.1718 -.1843 -.1869
.950 -.2288 -.2228 -.2011

BETA (1) = -5.050 ALPHA (3) = 2.060 Q(PSF) = 42.322 PO = 2113.6 RUN NO = 12.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.4473 -.4666 -.5741
.200 -.0100 -.0056 -.0075
.410 -.0897 -.0849 -.0994
.590 -.1175 -.1115 -.1151
.770 -.1321 -.1429 -.1432
.950 -.1950 -.1854 -.1634

DATE 27 APR 77

0A163B PRESSURE DATA LISTING

(RFPN02)

NOSE GEAR DOOR OUTER SURFACE

0A163B

RUN NO = 12.000

P0 = 2113.6

Q(PSF) = 42.822

ALPHA (4) =

BETA (1) = -5.050

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3766 -.3645 -.4658
 .200 .0357 .0550 .0562
 .410 -.0402 -.0341 -.0462
 .590 -.0727 -.0655 -.0655
 .770 -.0875 -.0980 -.0976
 .950 -.1157 -.1438 -.1221

BETA (1) = -5.050 ALPHA (5) = 6.220 Q(PSF) = 42.822 P0 = 2113.6 RUN NO = 12.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3090 -.2706 -.3534
 .200 .0836 .1040 .1148
 .410 .0067 .0212 .0067
 .590 -.0244 -.0143 -.0172
 .770 -.0449 -.0532 -.0510
 .950 -.1204 -.1036 -.0796

BETA (1) = -5.050 ALPHA (6) = 8.270 Q(PSF) = 42.822 P0 = 2113.6 RUN NO = 12.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2329 -.1871 -.2449
 .200 .1297 .1526 .1754
 .410 .0538 .0694 .0610
 .590 .0212 .0345 .0321
 .770 -.0027 -.0076 -.0027
 .950 -.0787 -.0630 -.0377

DATE 27 APR 77

OA1638 PRESSURE DATA LISTING

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OA1638 NOSE GEAR DOOR OUTER SURFACE (RFPN02)

BETA (2) = -4.040 ALPHA (1) = -2.030 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	.0920	.6006
.200	.0920	-.6259
.410	.0920	-.0834
.590	.0920	-.1760
.770	.0920	-.2001
.950	.0920	-.2081
.050	.3280	-.2205
.200	.3280	-.2530
.410	.3280	-.2554
.590	.3280	-.2232
.770	.3280	-.2325
.950	.3280	-.2325

BETA (2) = -4.040 ALPHA (2) = .020 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	.0920	-.5425
.200	.0920	-.0532
.410	.0920	-.1278
.590	.0920	-.1542
.770	.0920	-.1657
.950	.0920	-.2239
.050	.3280	-.5329
.200	.3280	-.0576
.410	.3280	-.1314
.590	.3280	-.1506
.770	.3280	-.1578
.950	.3280	-.1828
.050	.5640	-.1975
.200	.5640	-.1975
.410	.5640	-.1975
.590	.5640	-.1975
.770	.5640	-.1975
.950	.5640	-.1975

BETA (2) = -4.040 ALPHA (3) = 2.060 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	.0920	-.4699
.200	.0920	-.0124
.410	.0920	-.0883
.590	.0920	-.1159
.770	.0920	-.1267
.950	.0920	-.1906
.050	.3280	-.4458
.200	.3280	.0068
.410	.3280	-.0810
.590	.3280	-.1099
.770	.3280	-.1400
.950	.3280	-.1834
.050	.5640	-.5975
.200	.5640	-.0112
.410	.5640	-.0991
.590	.5640	-.1135
.770	.5640	-.1428
.950	.5640	-.1605

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPND2)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (2) = -4.040 ALPHA (4) = 4.140 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4020 -.3551 -.4862
 .200 .0368 .0524 .0561
 .410 -.0400 -.0292 -.0461
 .590 -.0689 -.0617 -.0641
 .770 -.0842 -.0966 -.0973
 .950 -.1154 -.1423 -.1182

BETA (2) = -4.040 ALPHA (5) = 6.220 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3349 -.2735 -.3758
 .200 .0814 .1042 .1138
 .410 .0068 .0176 .0056
 .590 -.0256 -.0160 -.0172
 .770 -.0430 -.0521 -.0500
 .950 -.1183 -.1038 -.0762

BETA (2) = -4.050 ALPHA (6) = 8.270 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2625 -.1964 -.2649
 .200 .1282 .1510 .1727
 .410 .0597 .0705 .0585
 .590 .0248 .0344 .0356
 .770 .0002 -.0064 -.0027
 .950 -.0809 -.0617 -.0316

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GFAR DOOR OUTER SURFACE (RFPN02)

BETA (3) = -2.970 ALPHA (1) = -2.060 Q(PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6492 -.6167 -.8229
 .200 -.1077 -.0956 -.1354
 .410 -.1728 -.1765 -.2006
 .590 -.1945 -.1957 -.2030
 .770 -.2056 -.2187 -.2248
 .950 -.2548 -.2512 -.2331

BETA (3) = -2.970 ALPHA (2) = .010 Q(PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5783 -.5278 -.7165
 .200 -.0580 -.0496 -.0700
 .410 -.1313 -.1253 -.1493
 .590 -.1530 -.1518 -.1578
 .770 -.1666 -.1770 -.1827
 .950 -.2238 -.2112 -.1938

BETA (3) = -2.970 ALPHA (3) = 2.070 Q(PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5027 -.4437 -.6099
 .200 -.0088 -.0028 -.0052
 .410 -.0859 -.0775 -.0979
 .590 -.1112 -.1040 -.1124
 .770 -.1267 -.1329 -.1378
 .950 -.1871 -.1750 -.1534

(RFPN02)

NOSE GEAR DOOR OUTER SURFACE

OA163B

BETA (3) = -2.970 ALPHA (4) = 4.130 Q (PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4351 -.3640 -.5025
 .200 .0345 .0513 -.0561
 .410 -.0401 -.0235 -.0473
 .590 -.0690 -.0606 -.0678
 .770 -.0864 -.0919 -.0934
 .950 -.1581 -.1400 -.1111

BETA (3) = -2.970 ALPHA (5) = 6.200 Q (PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3651 -.2869 -.3844
 .200 .0778 .1007 .1127
 .410 .0092 .0200 .0019
 .590 -.0209 -.0143 -.0150
 .770 -.0453 -.0497 -.0470
 .950 -.1195 -.1015 -.0702

BETA (3) = -2.970 ALPHA (6) = 8.280 Q (PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2855 -.2097 -.2819
 .200 .1247 .1500 .1620
 .410 .0561 .0559 .0549
 .590 .0260 .0320 .0344
 .770 -.0007 -.0068 .0022
 .950 -.0793 -.0617 -.0268

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GAR DOOR OUTER SURFACE (RFPN02)

BETA (4) = -2.040 ALPHA (1) = -2.060 Q(PSF) = 42.852 PO = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6826 -.6176 -.8234
 .200 -.1050 -.1038 -.1303
 .410 -.1712 -.1700 -.1977
 .590 -.1953 -.1881 -.2013
 .770 -.2051 -.2109 -.2202
 .950 -.2518 -.2398 -.2254

BETA (4) = -2.030 ALPHA (2) = .010 Q(PSF) = 42.852 PO = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6188 -.5392 -.7225
 .200 -.0630 -.0534 -.0591
 .410 -.1342 -.1233 -.1498
 .590 -.1583 -.1436 -.1583
 .770 -.1682 -.1752 -.1773
 .950 -.2246 -.2113 -.1908

BETA (4) = -2.040 ALPHA (3) = 2.080 Q(PSF) = 42.852 PO = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5473 -.4594 -.6196
 .200 -.0196 -.0040 -.0064
 .410 -.0895 -.0787 -.1004
 .590 -.1148 -.1040 -.1124
 .770 -.1308 -.1341 -.1358
 .950 -.1919 -.1775 -.1498

(RFPN02)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (4) = -2.040 ALPHA (4) = 4.120 Q(PSF) = 42.852 PO = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4766 -.3794 -.5138
 .200 .0271 .0463 .0487
 .410 -.0423 -.0339 -.0507
 .590 -.0711 -.0615 -.0639
 .770 -.0880 -.0951 -.0880
 .950 -.1575 -.1383 -.1095

BETA (4) = -2.040 ALPHA (5) = 6.200 Q(PSF) = 42.852 PO = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3972 -.3022 -.4068
 .200 .0717 .0921 .1006
 .410 .0068 .0164 .0031
 .590 -.0232 -.0172 -.0148
 .770 -.0450 -.0533 -.0450
 .950 -.1206 -.1026 -.0677

BETA (4) = -2.040 ALPHA (6) = 8.290 Q(PSF) = 42.852 PO = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3159 -.2208 -.2943
 .200 .1200 .1465 .1477
 .410 .0586 .0634 .0562
 .590 .0260 .0309 .0321
 .770 .0002 -.0076 -.0017
 .950 -.0835 -.0618 -.0269

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OA1638 NOSE GEAR DOOR OUTER SURFACE (RFPN02)

BETA (5) = -1.030 ALPHA (1) = -2.040 Q(PSF) = 42.897 PO = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	.7294	-.6371
.200	-.1203	-.1059
.410	-.1826	-.1694
.590	-.2018	-.1886
.770	-.2104	-.2138
.950	-.2570	-.2426

BETA (5) = -1.040 ALPHA (2) = .020 Q(PSF) = 42.897 PO = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6576	-.5553
.200	-.0750	-.0569
.410	-.1400	-.1267
.590	-.1629	-.1484
.770	-.1730	-.1737
.950	-.2291	-.2110

BETA (5) = -1.040 ALPHA (3) = 2.060 Q(PSF) = 42.897 PO = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.5910	-.4825
.200	-.0305	-.0112
.410	-.0883	-.0811
.590	-.1161	-.1100
.770	-.1298	-.1414
.950	-.1944	-.1799

(RFPN02)

OAI63B NOSE CLEAR DOOR OUTER SURFACE

BETA (5) = -1.030 ALPHA (4) = 4.120 Q(PSF) = 42.897 P0 = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5049	-.3932	-.5313
.200	.0152	.0380	.0368
.410	-.0448	-.0352	-.0508
.590	-.0700	-.0652	-.0652
.770	-.0892	-.0955	-.0902
.950	-.1613	-.1433	-.1073

BETA (5) = -1.040 ALPHA (5) = 6.200 Q(PSF) = 42.897 P0 = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4330	-.3185	-.4258
.200	.0586	.0253	.0851
.410	.0032	.0092	-.0016
.590	-.0281	-.0245	-.0208
.770	-.0491	-.0582	-.0461
.950	-.1257	-.1076	-.0703

BETA (5) = -1.040 ALPHA (6) = 8.270 Q(PSF) = 42.897 P0 = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3383	-.2436	-.3131
.200	.1050	.1338	.1302
.410	.0547	.0571	.0463
.590	.0211	.0235	.0259
.770	-.0077	-.0135	-.0037
.950	-.0890	-.0675	-.0267

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(RFPN02)

NOSE (EAR DOOR OUTER SURFACE

RUN NO = 17.000

PO = 2113.7

Q(PSF) = 42.860

DEPENDENT VARIABLE CP

BETA (6) = .000 ALPHA (1) = -2.060

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL .7556 -.6525 -.8407

.200 -.1334 -.1154 -.1358

.410 -.1874 -.1706 -.1982

.590 -.2066 -.1922 -.1982

.770 -.2134 -.2161 -.2144

.950 -.2629 -.2449 -.2233

BETA (6) = -.010 ALPHA (2) = .020

DEPENDENT VARIABLE CP

Q(PSF) = 42.860

PO = 2113.7

RUN NO = 17.000

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL .6828 -.5711 -.7453

.200 -.0893 -.0698 -.0761

.410 -.1433 -.1239 -.1505

.590 -.1630 -.1529 -.1553

.770 -.1757 -.1806 -.1727

.950 -.2322 -.2165 -.1866

BETA (6) = -.010 ALPHA (3) = 2.060

DEPENDENT VARIABLE CP

Q(PSF) = 42.860

PO = 2113.7

RUN NO = 17.000

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL .6127 -.4958 -.6537

.200 -.0462 -.0257 -.0257

.410 -.0968 -.0884 -.1016

.590 -.1221 -.1137 -.1113

.770 -.1379 -.1438 -.1339

.950 -.2029 -.1860 -.1474

(RFPN02)

0A1638 NOSE (EAR DOOR OUTER SURFACE

BETA (6) = -.010 ALPHA (4) = 4.140 Q (PSF) = 42.860 P0 = 2113.7 RUN NO = 17.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5492 -.4174 -.5552
 .200 -.0016 -.0249 -.0249
 .410 -.0536 -.0463 -.0560
 .590 -.0814 -.0729 -.0693
 .770 -.0988 -.1031 -.0918
 .950 -.1708 -.1503 -.1164

BETA (6) = -.010 ALPHA (5) = 6.200 Q (PSF) = 42.860 P0 = 2113.7 RUN NO = 17.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4602 -.3318 -.4302
 .200 -.0452 -.0752 -.0668
 .410 -.0028 -.0037 -.0052
 .590 -.0328 -.0269 -.0244
 .770 -.0630 -.0592 -.0499
 .950 -.1312 -.1084 -.0712

BETA (6) = -.010 ALPHA (6) = 8.270 Q (PSF) = 42.860 P0 = 2113.7 RUN NO = 17.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3712 -.2616 -.3134
 .200 .0910 .1175 .1091
 .410 .0477 .0501 .0381
 .590 .0116 .0164 .0188
 .770 -.0158 -.0184 -.0078
 .950 -.0967 -.0738 -.0329

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OAI638 NOSE (EAR DOOR OUTER SURFACE (RFPN02)

BETA (7) = .980 ALPHA (1) = -2.070 Q(PSF) = 2.917 PO = 2113.7 RUN NO = 18.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.7723	-.6656	-.8622
.200	-.1454	-.1286	-.1430
.410	-.1933	-.1766	-.1993
.590	-.2137	-.1981	-.1993
.770	-.2244	-.2221	-.2144
.950	-.2760	-.2557	-.2269

BETA (7) = .980 ALPHA (2) = .020 Q(PSF) = 2.917 PO = 2113.7 RUN NO = 18.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.7053	-.5913	-.7702
.200	-.1024	-.0832	-.0892
.410	-.1529	-.1349	-.1493
.590	-.1733	-.1601	-.1553
.770	-.1846	-.1655	-.1746
.950	-.2454	-.2273	-.1925

BETA (7) = .980 ALPHA (3) = 2.060 Q(PSF) = 2.917 PO = 2113.7 RUN NO = 18.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6460	-.5123	-.6713
.200	-.0618	-.0389	-.0389
.410	-.1076	-.0955	-.1040
.590	-.1341	-.1220	-.1136
.770	-.1479	-.1509	-.1368
.950	-.2160	-.1967	-.1594

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(RFPND2)

OAI63B NOSE (EAR D'OR OUTER SURFACE

RUN NO = 18.000

PO = 2113.7

Q(PSF) = 12.917

BETA (7) = .980 ALPHA (4) = 4.120

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.5751	-.4284
.200	-.0184	.0116
.410	-.0617	-.0521
.590	-.0857	-.0761
.770	-.1084	-.1098
.950	-.1807	-.1603

BETA (7) = .980 ALPHA (5) = 6.200 Q(PSF) = 12.917 PO = 2113.7 RUN NO = 18.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4865	-.3457
.200	.0272	.0573
.410	-.0136	-.0064
.590	-.0449	-.0341
.770	-.0662	-.0699
.950	-.1423	-.1231

BETA (7) = .980 ALPHA (6) = 8.270 Q(PSF) = 12.917 PO = 2113.7 RUN NO = 18.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.3841	-.2750
.200	.0751	.1027
.410	.0379	.0439
.590	.0031	.0127
.770	-.0228	-.0243
.950	-.1023	-.0855

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN02)

OAI63B NOSE (EAR DOOR OUTER SURFACE

RUN NO = 19.000

PO = 2113.7

-2.060 Q(PSF) = 12.822

DEPENDENT VARIABLE CP

BETA (8) = 1.970 ALPHA (1) =

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7930 -.6810 -.8780
 .200 -.1630 -.1425 -.1497
 .410 -.2039 -.1859 -.1967
 .590 -.2280 -.2064 -.1991
 .770 -.2397 -.2305 -.2144
 .950 -.2955 -.2630 -.2292

RUN NO = 19.000

PO = 2113.7

.010 Q(PSF) = 12.822

DEPENDENT VARIABLE CP

BETA (8) = 1.970 ALPHA (2) =

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7274 -.6047 -.7780
 .200 -.1219 -.1003 -.1003
 .410 -.1605 -.1448 -.1484
 .590 -.1845 -.1653 -.1581
 .770 -.1932 -.1313 -.1730
 .950 -.2652 -.2303 -.1942

RUN NO = 19.000

PO = 2113.7

2.070 Q(PSF) = 12.822

DEPENDENT VARIABLE CP

BETA (8) = 1.970 ALPHA (3) =

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6564 -.5165 -.6769
 .200 -.0812 -.0522 -.0546
 .410 -.1173 -.1041 -.1053
 .590 -.1451 -.1222 -.1173
 .770 -.1612 -.1511 -.1380
 .950 -.2307 -.1981 -.1608

(RFPN02)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (8) = 1.970 ALPHA (4) = 4.130 Q(PSF) = 42.822 P0 = 2113.7 RUN NO = 19.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.5792	-.4336
.200	-.0365	-.0052
.410	-.0714	-.0593
.590	-.1002	-.0822
.770	-.1195	-.1147
.950	-.1881	-.1616

BETA (8) = 1.970 ALPHA (5) = 6.200 Q(PSF) = 42.822 P0 = 2113.7 RUN NO = 19.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.5128	-.3588
.200	.0068	.0404
.410	-.0220	-.0124
.590	-.0545	-.0339
.770	-.0762	-.0737
.950	-.1471	-.1267

BETA (8) = 1.970 ALPHA (6) = 8.270 Q(PSF) = 42.822 P0 = 2113.7 RUN NO = 19.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4051	-.2847
.200	.0562	.0791
.410	.0224	.0321
.590	-.0088	.0019
.770	-.0350	-.0341
.950	-.1100	-.0919

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING (RFPND2)
 OAI63B NOSE GEAR DOOR OUTER SURFACE
 BETA (9) = 2.990 ALPHA (1) = -2.060 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2826 -.6923 -.8893
 .200 -.1829 -.1577 -.1589
 .410 -.2190 -.1914 -.1926
 .590 -.2526 -.2118 -.1998
 .770 -.2721 -.2322 -.2169
 .950 -.3235 -.2574 -.2250

BETA (9) = 2.990 ALPHA (2) = -.020 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4129 -.6168 -.7809
 .200 -.1463 -.1162 -.1174
 .410 -.1753 -.1312 -.1500
 .590 -.2103 -.1705 -.1620
 .770 -.2319 -.1534 -.1784
 .950 -.2935 -.2260 -.1922

BETA (9) = 2.990 ALPHA (3) = 2.050 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6582 -.5257 -.6642
 .200 -.1016 -.0690 -.0775
 .410 -.1269 -.1100 -.1076
 .590 -.1642 -.1293 -.1208
 .770 -.1903 -.1558 -.1409
 .950 -.2546 -.1907 -.1546

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN02)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (9) = 2.990 ALPHA (4) = 4.130 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6034	-.4454	-.5431
.200	-.0607	-.0209	-.0353
.410	-.0836	-.0655	-.0667
.590	-.1186	-.0884	-.0836
.770	-.1471	-.1174	-.1016
.950	-.2187	-.1596	-.1174

BETA (9) = 2.990 ALPHA (5) = 6.190 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5201	-.3697	-.4311
.200	-.0124	.0129	.0019
.410	-.0377	-.0196	-.0268
.590	-.0701	-.0473	-.0437
.770	-.0954	-.0798	-.0591
.950	-.1700	-.1267	-.0786

BETA (9) = 2.990 ALPHA (6) = 8.260 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4094	-.2891	-.3420
.200	.0344	.0585	.0416
.410	.0104	.0224	.0152
.590	-.0220	-.0052	.0007
.770	-.0570	-.0401	-.0168
.950	-.1243	-.0906	-.0413

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

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OA163B NOSE GEAR DOOR OUTER SURFACE (RFPN02)

BETA (10) = 4.060 ALPHA (1) = -2.050 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL		
.050	-.8025	-.7083
.200	-.2106	-.1816
.410	-.2432	-.2021
.590	-.3024	-.2178
.770	-.3242	-.2335
.950	-.3434	-.2541

BETA (10) = 4.060 ALPHA (2) = .000 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL		
.050	-.5386	-.6169
.200	-.1702	-.1398
.410	-.1906	-.1617
.590	-.2508	-.1774
.770	-.2799	-.1934
.950	-.3183	-.2219

BETA (10) = 4.060 ALPHA (3) = 2.070 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL		
.050	-.6646	-.5368
.200	-.1281	-.0908
.410	-.1438	-.1185
.590	-.2077	-.1354
.770	-.2398	-.1571
.950	-.2697	-.1896

(RFPN02)

OA1638 NOSE GEAR DOOR OUTER SURFACE

BETA (10) = 4.060 ALPHA (4) = 4.110 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6075 -.4617 -.5449
 .200 -.0835 -.0425 -.0592
 .410 -.0955 -.0750 -.0726
 .590 -.1594 -.0979 -.0895
 .770 -.1933 -.1220 -.1015
 .950 -.2545 -.1582 -.1148

BETA (10) = 4.060 ALPHA (5) = 6.190 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5234 -.3787 -.4523
 .200 -.0355 -.0052 -.0221
 .410 -.0458 -.0353 -.0329
 .590 -.1016 -.0339 -.0495
 .770 -.1449 -.0339 -.0602
 .950 -.2197 -.1245 -.0799

BETA (10) = 4.060 ALPHA (6) = 8.260 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4282 -.3017 -.3571
 .200 .0140 .0345 .0140
 .410 -.0052 .0068 .0056
 .590 -.0486 -.0136 -.0064
 .770 -.0854 -.0450 -.0178
 .950 -.1667 -.0883 -.0425

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFFN02)

OA163B NOSI GEAR DOOR OUTER SURFACE

RUN NO = 22.000

BETA (11) = 5.030 ALPHA (1) = -2.070 Q(PSF) = 42.767 P0 = 2120.6

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.8061 -.7027 -.8626
 .200 -.2409 -.2108 -.2120
 .410 -.2757 -.2084 -.1988
 .590 -.3756 -.2204 -.2060
 .770 -.3500 -.2325 -.2191
 .950 -.3395 -.2459 -.2180

BETA (11) = 5.030 ALPHA (2) = .000 Q(PSF) = 42.767 P0 = 2120.6 RUN NO = 22.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7317 -.6221 -.7498
 .200 -.1968 -.1630 -.1702
 .410 -.2233 -.1690 -.1594
 .590 -.3257 -.1787 -.1690
 .770 -.3224 -.1968 -.1822
 .950 -.3221 -.2172 -.1847

BETA (11) = 5.030 ALPHA (3) = 2.070 Q(PSF) = 42.767 P0 = 2120.6 RUN NO = 22.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6722 -.5528 -.6541
 .200 -.1560 -.1065 -.1210
 .410 -.1668 -.1282 -.1210
 .590 -.2814 -.1415 -.1355
 .770 -.2824 -.1622 -.1451
 .950 -.3043 -.1861 -.1499

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(REFNO2)

OAI638 NOS. GEAR DOOR OUTER SURFACE

BETA (11) = 5.030 ALPHA (4) = 4.120 Q(PSF) = 42.767 PO = 2120.6 RUN NO = 22.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6043	-.4758
.200	-.1095	-.0683
.410	-.1168	-.0889
.590	-.2441	-.1059
.770	-.2494	-.1277
.950	-.2781	-.1508

BETA (11) = 5.030 ALPHA (5) = 6.190 Q(PSF) = 42.767 PO = 2120.6 RUN NO = 22.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.5363	-.3966
.200	-.0582	-.0281
.410	-.0714	-.0473
.590	-.1798	-.0630
.770	-.2104	-.0919
.950	-.2533	-.1148

BETA (11) = 5.030 ALPHA (6) = 8.260 Q(PSF) = 42.767 PO = 2120.6 RUN NO = 22.000

SECTION (1) NOSE LNC GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4398	-.3315
.200	-.0112	-.0080
.410	-.0244	-.0064
.590	-.1159	-.0268
.770	-.1619	-.0545
.950	-.2364	-.0822

DATE 27 APR 77

OAI163B PRESSURE DATA LISTING

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(RFPN03) (27 APR 77)

NOISE GEAR DOOR OUTER SURFACE

OAI163B

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAF = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 40.000 THETML = 6.200
 PHI-MR = 40.000 THETMR = 6.200

BETA (1) = -5.030 ALPHA (1) = -2.080 Q(PSF) = 42.820 PO = 2117.7 RUN NO = 23.000

SECTION (1) NOISE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5764 -.6583 -.7824
 .200 -.0992 -.0956 -.1353
 .410 -.1859 -.1811 -.2028
 .590 -.2052 -.2016 -.2076
 .770 -.2135 -.2245 -.2306
 .950 -.2582 -.2558 -.2341

BETA (1) = -5.020 ALPHA (2) = -.010 Q(PSF) = 42.820 PO = 2117.7 RUN NO = 23.000

SECTION (1) NOISE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5060 -.5614 -.6866
 .200 -.0557 -.0401 -.0702
 .410 -.1364 -.1328 -.1508
 .590 -.1641 -.1545 -.1605
 .770 -.1730 -.1821 -.1881
 .950 -.2255 -.2207 -.2002

BETA (1) = -5.030 ALPHA (3) = 2.060 Q(PSF) = 42.820 PO = 2117.7 RUN NO = 23.000

SECTION (1) NOISE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4339 -.4544 -.5700
 .200 -.0076 -.0092 -.0064
 .410 -.0907 -.0835 -.0967
 .590 -.1148 -.1075 -.1124
 .770 -.1297 -.1399 -.1398
 .950 -.1930 -.1810 -.1593

(RFPN03)

OA1638 NOISE GEAR DOOR OUTER SURFACE

BETA (1) = -5.030 ALPHA (4) = 4.110 Q(PSF) = 42.820 PO = 2117.7 RUN NO = 23.000

SECTION (1) NOISE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3748 -.3640 -.4663
 .200 .0393 .0561 .0561
 .410 -.0413 -.0281 -.0437
 .590 -.0702 -.0618 -.0618
 .770 -.0894 -.0979 -.0984
 .950 -.1569 -.1460 -.1220

BETA (1) = -5.030 ALPHA (5) = 6.190 Q(PSF) = 42.820 PO = 2117.7 RUN NO = 23.000

SECTION (1) NOISE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3080 -.2671 -.3549
 .200 .0825 .1041 .1173
 .410 .0080 .0200 .0080
 .590 -.0244 -.0160 -.0124
 .770 -.0460 -.0532 -.0530
 .950 -.1157 -.1013 -.0821

BETA (1) = -5.030 ALPHA (6) = 8.260 Q(PSF) = 42.820 PO = 2117.7 RUN NO = 23.000

SECTION (1) NOISE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2284 -.1874 -.2381
 .200 .1335 .1576 .1769
 .410 .0575 .0719 .0659
 .590 .0176 .0237 .0394
 .770 -.0017 -.0112 -.0068
 .950 -.0836 -.0595 -.0305

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING (RFPN03)
 OAI63B NOISE GEAR DOOR OUTER SURFACE RUN NO = 24,000
 BETA (2) = -4.030 ALPHA (1) = -2.080 Q(PSF) = 42.867 P0 = 2117.8
 SECTION (1) NOISE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.5923	-.6223	-.8036
.200	-.0976	-.0844	-.1312
.410	-.1757	-.1781	-.1985
.590	-.1961	-.1961	-.1997
.770	-.2067	-.2189	-.2248
.950	-.2537	-.2513	-.2285

BETA (2) = -4.030 ALPHA (2) = .000 Q(PSF) = 42.867 P0 = 2117.8 RUN NO = 24,000
 SECTION (1) NOISE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.5380	-.5343	-.6922
.200	-.0558	-.0389	-.0679
.410	-.1335	-.1293	-.1486
.590	-.1559	-.1546	-.1571
.770	-.1682	-.1600	-.1803
.950	-.2246	-.2197	-.1958

BETA (2) = -4.030 ALPHA (3) = 2.050 Q(PSF) = 42.867 P0 = 2117.8 RUN NO = 24,000
 SECTION (1) NOISE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.4873	-.4408	-.5924
.200	-.0054	.0092	-.0052
.410	-.0858	-.0798	-.0990
.590	-.1135	-.1053	-.1099
.770	-.1276	-.1375	-.1397
.950	-.1905	-.1785	-.1556

(RFPN03)

0A163B NOSE GEAR DOOR OUTER SURFACE

BETA (2) = -4.030 ALPHA (4) = 4.120 Q(PSF) = 42.867 P0 = 2117.8 RUN NO = 24.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3911	-.3562	-.4813
.200	.0392	.0585	.0561
.410	-.0364	-.0268	-.0436
.590	-.0653	-.0593	-.0629
.770	-.0812	-.0929	-.0963
.950	-.1531	-.1374	-.1182

BETA (2) = -4.040 ALPHA (5) = 6.190 Q(PSF) = 42.867 P0 = 2117.8 RUN NO = 24.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2410	-.2722	-.3745
.200	.0801	.1066	.1162
.410	.0188	.0212	.0080
.590	-.0196	-.0124	-.0148
.770	-.0450	-.0473	-.0500
.950	-.1146	-.0990	-.0725

BETA (2) = -4.040 ALPHA (6) = 8.260 Q(PSF) = 42.867 P0 = 2117.8 RUN NO = 24.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2638	-.1940	-.2674
.200	.1307	.1559	.1692
.410	.0609	.0705	.0585
.590	.0272	.0344	.0368
.770	.0022	-.0052	-.0017
.950	-.0786	-.0881	-.0292

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING (RFPN03)
 OAI63B NOSE GEAR DOOR OUTER SURFACE
 BETA (3) = -2.960 ALPHA (1) = -2.060 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6412 -.6111 -.8119
 .200 -.1038 -.0929 -.1338
 .410 -.1689 -.1711 -.1975
 .590 -.1927 -.1915 -.1999
 .770 -.2030 -.2190 -.2221
 .950 -.2516 -.2460 -.2312

BETA (3) = -2.960 ALPHA (2) = .010 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5756 -.5286 -.6999
 .200 -.0558 -.0498 -.0703
 .410 -.1232 -.1258 -.1451
 .590 -.1523 -.1475 -.1559
 .770 -.1842 -.1776 -.1773
 .950 -.2211 -.2126 -.1933

BETA (3) = -2.960 ALPHA (3) = 2.050 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5026 -.4437 -.6071
 .200 -.0100 -.0007 -.0064
 .410 -.0821 -.0751 -.1001
 .590 -.1109 -.1037 -.1097
 .770 -.1264 -.1337 -.1385
 .950 -.1866 -.1758 -.1530

0A1638 NCSE GEAR DOOR OUTER SURFACE (RFPN03)

BETA (3) = -2.960 ALPHA (4) = 4.120 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4190 -.3625 -.4996
 .200 .0344 .0537 .0561
 .410 -.0377 -.0280 -.0461
 .590 -.0617 -.0593 -.0653
 .770 -.0653 -.0906 -.0943
 .950 -.1471 -.1363 -.1122

BETA (3) = -2.960 ALPHA (5) = 6.200 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3669 -.2818 -.3860
 .200 .0798 .1002 .1097
 .410 .0091 .0159 .0035
 .590 -.0207 -.0147 -.0147
 .770 -.0403 -.0483 -.0438
 .950 -.1177 -.0974 -.0688

BETA (3) = -2.960 ALPHA (6) = 8.280 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2927 -.2121 -.2746
 .200 .1271 .1487 .1631
 .410 .0621 .0681 .0573
 .590 .0272 .0356 .0356
 .770 .0022 -.0064 -.0017
 .950 -.0310 -.0505 -.0255

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN03)

OAI63B NCSE GEAR DOOR OUTER SURFACE

BETA (4) = -2.030 ALPHA (1) = -2.060 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6892 -.6208 -.8164
 .200 -.1072 -.1024 -.1300
 .410 -.1756 -.1684 -.1936
 .590 -.1960 -.1864 -.1984
 .770 -.2026 -.2104 -.2197
 .950 -.2524 -.2416 -.2272

BETA (4) = -2.020 ALPHA (2) = .020 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6146 -.5436 -.7194
 .200 -.0606 -.0534 -.0654
 .410 -.1328 -.1244 -.1455
 .590 -.1545 -.1461 -.1545
 .770 -.1633 -.1723 -.1771
 .950 -.2232 -.2087 -.1883

BETA (4) = -2.030 ALPHA (3) = 2.070 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5438 -.4538 -.6134
 .200 -.0172 -.0004 -.0064
 .410 -.0891 -.0759 -.0999
 .590 -.1131 -.1023 -.1095
 .770 -.1272 -.1335 -.1342
 .950 -.1911 -.1731 -.1491

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BETA (4) = -2.020 ALPHA (4) = 4.120 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 26.000 (RFPND3)

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4632 -.3766 -.5077
 .200 .0260 .0464 .0500
 .410 -.0412 -.0292 -.0472
 .590 -.0689 -.0593 -.0605
 .770 -.0862 -.0905 -.0892
 .950 -.1542 -.1374 -.1074

BETA (4) = -2.020 ALPHA (5) = 6.200 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3997 -.2996 -.4034
 .200 .0707 .0937 .1009
 .410 .0092 .0164 .0032
 .590 -.0233 -.0160 -.0136
 .770 -.0451 -.0510 -.0461
 .950 -.1222 -.1017 -.0679

BETA (4) = -2.020 ALPHA (6) = 8.270 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3241 -.2218 -.2989
 .200 .1187 .1440 .1476
 .410 .0561 .0633 .0549
 .590 .0248 .0296 .0332
 .770 -.0037 -.0088 -.0017
 .950 -.0810 -.0629 -.0268

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OAI53B NOSE GEAR DOOR OUTER SURFACE (RFPN03)

BETA (5) = -1.030 ALPHA (1) = -2.060 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.7008	-.6325	-.8244
.200	-.1179	-.1035	-.1287
.410	-.1779	-.1659	-.1935
.590	-.1983	-.1863	-.1971
.770	-.2065	-.2103	-.2175
.950	-.2558	-.2390	-.2223

BETA (5) = -1.030 ALPHA (2) = .000 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6487	-.5441	-.7029
.200	-.0725	-.0593	-.0629
.410	-.1351	-.1339	-.1411
.590	-.1543	-.1411	-.1483
.770	-.1698	-.1712	-.1698
.950	-.2217	-.2061	-.1796

BETA (5) = -1.030 ALPHA (3) = 2.060 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5771	-.4726	-.6276
.200	-.0292	-.0088	-.0112
.410	-.0905	-.0797	-.1001
.590	-.1157	-.1061	-.1085
.770	-.1294	-.1351	-.1304
.950	-.1926	-.1746	-.1458

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OAI638 PRESSURE DATA LISTING

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OAI638 NOSE GEAR DOOR OUTER SURFACE (RFPN03)

BETA (5) = -1.030 ALPHA (4) = 4.120 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5098	-.3906	-.5255
.200	.0152	.0381	-.0393
.410	-.0413	-.0353	-.0485
.590	-.0690	-.0642	-.0606
.770	-.0914	-.0955	-.0884
.950	-.1581	-.1389	-.1376

BETA (5) = -1.030 ALPHA (5) = 6.190 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4313	-.3154	-.4265
.200	.0611	.0852	.0913
.410	.0068	.0080	.0020
.590	-.0257	-.0209	-.0135
.770	-.0492	-.0547	-.0472
.950	-.1247	-.1042	-.0580

BETA (5) = -1.030 ALPHA (6) = 8.280 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3403	-.2370	-.3055
.200	.1052	.1341	.1305
.410	.0524	.0596	.0476
.590	.0224	.0272	.0260
.770	-.0077	-.0112	-.0047
.950	-.0856	-.0632	-.0292

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OAI63B NOSE GEAR DOOR OUTER SURFACE (RFPN03)

BETA (6) = .030 ALPHA (1) = .000 Q(PSF) = 42.985 P0 = 2117.8 RUN NO = 28.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6806 -.5682 -.7476
 .200 -.0888 -.0685 -.0805
 .410 -.1414 -.1283 -.1498
 .590 -.1641 -.1522 -.1558
 .770 -.1778 -.1785 -.1728
 .950 -.2335 -.2156 -.1857

BETA (6) = .030 ALPHA (2) = 2.070 Q(PSF) = 42.985 P0 = 2117.8 RUN NO = 28.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6099 -.4878 -.6458
 .200 -.0411 -.0255 -.0243
 .410 -.0962 -.0855 -.1010
 .590 -.1213 -.1105 -.1091
 .770 -.1390 -.1393 -.1330
 .950 -.2015 -.1824 -.1465

BETA (6) = .030 ALPHA (3) = 4.130 Q(PSF) = 42.985 P0 = 2117.8 RUN NO = 28.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5326 -.4052 -.5458
 .200 .0019 .0296 .0295
 .410 -.0484 -.0376 -.0496
 .590 -.0760 -.0688 -.0628
 .770 -.0962 -.1001 -.0932
 .950 -.1614 -.1433 -.1097

DATE 27 APR 77 OA1539 PRESSURE DATA LISTING

(RFPN03)

OA1538 NOSE GEAR DOOR OUTER SURFACE

BETA (6) = .030 ALPHA (4) = 6.210 Q(PSF) = 42.985 PO = 2117.8 RUN NO = 28.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5540

X/CNL	Y/BNL	CP
.050	-.4519	-.3278
.200	.0453	.0766
.410	.0032	.0068
.590	-.0293	-.0220
.770	-.0561	-.0557
.950	-.1292	-.1063

BETA (7) = .960 ALPHA (1) = .000 Q(PSF) = 42.767 PO = 2117.2 RUN NO = 29.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5540

X/CNL	Y/BNL	CP
.050	-.6990	-.5778
.200	-.1012	-.0820
.410	-.1492	-.1348
.590	-.1708	-.1575
.770	-.1826	-.1828
.950	-.2429	-.2290

BETA (7) = .960 ALPHA (2) = 2.070 Q(PSF) = 42.767 PO = 2117.2 RUN NO = 29.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6405	-.5049
.200	-.0597	-.0379
.410	-.1068	-.0947
.590	-.1323	-.1177
.770	-.1486	-.1468
.950	-.2121	-.1928

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0A1638B NOSE GEAR DOOR OUTER SURFACE (REFNO3)

BETA (7) = .960 ALPHA (3) = 4.130 Q(PSF) = 42.767 PO = 2117.2 RUN NO = 29.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5610 -.4238 -.5561
 .200 -.0184 .0152 .0104
 .410 -.0569 -.0497 -.0545
 .590 -.0870 -.0737 -.0665
 .770 -.1074 -.1074 -.0953
 .950 -.1772 -.1592 -.1207

BETA (7) = .960 ALPHA (4) = 6.200 Q(PSF) = 42.767 PO = 2117.2 RUN NO = 29.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4818 -.3451 -.4406
 .200 .0285 .0600 .0479
 .410 -.0125 -.0040 -.0100
 .590 -.0427 -.0254 -.0270
 .770 -.0545 -.0657 -.0544
 .950 -.1407 -.1225 -.0814

BETA (8) = 1.950 ALPHA (1) = .000 Q(PSF) = 42.910 PO = 2117.1 RUN NO = 30.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7188 -.6015 -.7823
 .200 -.1177 -.0962 -.0986
 .410 -.1596 -.1417 -.1476
 .590 -.1836 -.1644 -.1560
 .770 -.1981 -.1896 -.1781
 .950 -.2590 -.2291 -.1932

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN03)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (8) = 1.940 ALPHA (2) = 2.060 Q(PSF) = 42.910 PO = 2117.1 RUN NO = 30.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6600 -.5216 -.6817
 .200 -.0810 -.0521 -.0545
 .410 -.1159 -.1015 -.1039
 .590 -.1448 -.1256 -.1171
 .770 -.1599 -.1520 -.1417
 .950 -.2279 -.1990 -.1617

BETA (8) = 1.940 ALPHA (3) = 4.140 Q(PSF) = 42.910 PO = 2117.1 RUN NO = 30.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5856 -.4381 -.5566
 .200 -.0378 -.0040 -.0137
 .410 -.0705 -.0584 -.0536
 .590 -.0263 -.0314 -.0735
 .770 -.1191 -.1152 -.1019
 .950 -.1878 -.1648 -.1237

BETA (8) = 1.940 ALPHA (4) = 6.200 Q(PSF) = 42.910 PO = 2117.1 RUN NO = 30.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4970 -.3570 -.4336
 .200 .0067 .0402 .0271
 .410 -.0219 -.0123 -.0195
 .590 -.0554 -.0387 -.0387
 .770 -.0769 -.0722 -.0588
 .950 -.1476 -.1264 -.0829

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(RFPN03)

BETA (9) = 5.000 ALPHA (1) = .000 Q(PSF) = 42.885 PO = 2117.2 RUN NO = 31.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7337 -.6262 -.7576
.200 -.2022 -.1664 -.1700
.410 -.2261 -.1712 -.1616
.590 -.3300 -.1819 -.1723
.770 -.3246 -.2010 -.1836
.950 -.3264 -.2201 -.1891

BETA (9) = 5.000 ALPHA (2) = 2.080 Q(PSF) = 42.885 PO = 2117.2 RUN NO = 31.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6782 -.5469 -.6589
.200 -.1533 -.1087 -.1244
.410 -.1665 -.1292 -.1208
.590 -.2845 -.1412 -.1316
.770 -.2828 -.1629 -.1428
.950 -.3025 -.1646 -.1509

BETA (9) = 4.990 ALPHA (3) = 4.130 Q(PSF) = 42.885 PO = 2117.2 RUN NO = 31.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6212 -.4717 -.5706
.200 -.1113 -.0727 -.0893
.410 -.1149 -.0896 -.0872
.590 -.2403 -.1040 -.0968
.770 -.2519 -.1293 -.1036
.950 -.2788 -.1535 -.1161

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BETA (9) = 4.990 ALPHA (4) = 6.220 Q(PSF) = 42.885 PO = 2117.2 RUN NO = 31.000
SECTION (1) NOSE LND GR DR-O
Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5418 -.3959 -.4706
.200 -.0619 -.0317 -.0498
.410 -.0703 -.0486 -.0450
.590 -.1849 -.0667 -.0558
.770 -.2066 -.0920 -.0643
.950 -.2548 -.1149 -.0799



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:RFPN04) (27 APR 77)

0A163B NOSE GEAR DOJR OUTER SURFACE

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 25.000 THETAN = 5.000
 PHI-ML = 26.000 THETML = 4.000
 PHI-MR = 26.000 THETMR = 4.000

BETA (1) = -5.030 ALPHA (1) = .000 Q(PSF) = 42.797 P0 = 2115.0 RUN NO = 32.000

SECTION (1) NOSE LND GR DR-0

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2071 -.5665 -.6566
 .200 -.0653 -.0472 -.0677
 .410 -.1434 -.1362 -.1554
 .590 -.1638 -.1602 -.1638
 .770 -.1667 -.1782 -.1808
 .950 -.2131 -.2107 -.2047

BETA (1) = -5.030 ALPHA (2) = 2.070 Q(PSF) = 42.797 P0 = 2115.0 RUN NO = 32.000

SECTION (1) NOSE LND GR DR-0

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4644 -.4704 -.5511
 .200 -.0172 .0032 -.0064
 .410 -.0932 -.0847 -.1028
 .590 -.1197 -.1112 -.1149
 .770 -.1258 -.1378 -.1308
 .950 -.1835 -.1799 -.1703

BETA (1) = -5.030 ALPHA (3) = 4.130 Q(PSF) = 42.797 P0 = 2115.0 RUN NO = 32.000

SECTION (1) NOSE LND GR DR-0

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3950 -.3757 -.4565
 .200 .0285 .0502 .0538
 .410 -.0450 -.0342 -.0523
 .590 -.0740 -.0643 -.0643
 .770 -.0845 -.0933 -.0845
 .950 -.1524 -.1416 -.1319

(RFPN04)

OA163B NOSE GEAR DOIR OUTER SURFACE

BETA (1) = -5.030 ALPHA (4) = 6.210 Q(PSF) = 42.797 P0 = 2115.0 RUN NO = 32.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3163 -.2837 -.3454
 .200 -.0767 .1008 .1105
 .410 .0068 .0188 .0044
 .590 -.0245 -.0148 -.0124
 .770 -.0431 -.0450 -.0370
 .950 -.1173 -.1028 -.0860

BETA (2) = -2.000 ALPHA (1) = .000 Q(PSF) = 42.802 P0 = 2115.0 RUN NO = 33.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6563 -.5542 -.6996
 .200 -.0700 -.0508 -.0532
 .410 -.1337 -.1229 -.1493
 .590 -.1577 -.1517 -.1649
 .770 -.1626 -.1626 -.1626
 .950 -.2142 -.2010 -.1914

BETA (2) = -2.010 ALPHA (2) = 2.050 Q(PSF) = 42.802 P0 = 2115.0 RUN NO = 33.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.1640 -.4720 -.6007
 .200 -.0244 -.0004 -.0016
 .410 -.0858 -.0762 -.1026
 .590 -.1147 -.1038 -.1147
 .770 -.1215 -.1291 -.1246
 .950 -.1808 -.1688 -.1520

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BETA (2) = -2.010 ALPHA (3) = 4.120 NOSE GEAR DO/R OUTER SURFACE (RFPN04)
 SECTION (1) NOSE LND GR DR-O PO = 2115.0 RUN NO = 33.000

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5062 -.3951 -.4929
 .200 .0201 .0466 .0502
 .410 -.0426 -.0317 -.0499
 .590 -.0692 -.0619 -.0643
 .770 -.0836 -.0897 -.0795
 .950 -.1150 -.1355 -.1138

BETA (2) = -2.010 ALPHA (4) = 6.220 Q(PSF) = 42.802 PO = 2115.0 RUN NO = 33.000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4373 -.3251 -.3915
 .200 .0671 .0531 .0373
 .410 .0944 .0152 .0620
 .590 -.0245 -.0173 -.0148
 .770 -.0401 -.0485 -.0351
 .950 -.1175 -.1030 -.0776

BETA (3) = -1.010 ALPHA (1) = .020 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 34.000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4755 -.5667 -.7047
 .200 -.0784 -.0544 -.0616
 .410 -.1360 -.1240 -.1480
 .590 -.1588 -.1504 -.1612
 .770 -.1654 -.1696 -.1674
 .950 -.2152 -.2020 -.1876

OAI63B NOSE GEAR DOX R OUTER SURFACE (RFPN04)

BETA (3) = -1.010 ALPHA (2) = 2.060 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 34.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6236	-.4634	-.6103
.200	-.0353	-.0088	-.0100
.410	-.0944	-.0835	-.1016
.590	-.1185	-.1113	-.1125
.770	-.1278	-.1318	-.1248
.950	-.1484	-.1752	-.1510

BETA (3) = -1.010 ALPHA (3) = 4.130 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 34.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5492	-.4168	-.5011
.200	.0092	.0405	.0393
.410	-.0437	-.0377	-.0321
.590	-.0726	-.0554	-.0642
.770	-.0883	-.0930	-.0793
.950	-.1168	-.1412	-.1147

BETA (3) = -1.010 ALPHA (4) = 6.200 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 34.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4734	-.3401	-.3953
.200	.0548	.0860	.0860
.410	.0031	.0067	.0052
.590	-.0268	-.0208	-.0184
.770	-.0459	-.0320	-.0389
.950	-.1216	-.1060	-.0784

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BETA (4) = .010 ALPHA (1) = .000 NOSE GEAR DOOR OUTER SURFACE (RFPN04)

SECTION (1) NOSE LND GR DR-0 Q (PSF) = 42.850 PO = 2115.0 RUN NO = 35.000

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2058 -.5801 -.7109
 .200 -.0904 -.0652 -.0676
 .410 -.1408 -.1252 -.1468
 .590 -.1648 -.1540 -.1588
 .770 -.1705 -.1732 -.1644
 .950 -.2212 -.2044 -.1828

BETA (4) = .010 ALPHA (2) = 2.070 Q (PSF) = 42.850 PO = 2115.0 RUN NO = 35.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6604 -.5134 -.6206
 .200 -.0473 -.0172 -.0196
 .410 -.0891 -.0871 -.1015
 .590 -.1244 -.1124 -.1124
 .770 -.1348 -.1377 -.1257
 .950 -.1931 -.1762 -.1533

BETA (4) = .010 ALPHA (3) = 4.130 Q (PSF) = 42.850 PO = 2115.0 RUN NO = 35.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5823 -.4293 -.5088
 .200 -.0052 -.0345 -.0285
 .410 -.0522 -.0449 -.0534
 .590 -.0775 -.0714 -.0654
 .770 -.0925 -.0943 -.0844
 .950 -.1582 -.1425 -.1148

BETA (4) = .010 ALPHA (4) = 6.200 Q(PSF) = 42.853 PO = 2115.0 RUN NO = 35.000
(RFPN04)

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4676 -.3592 -.4002
.200 .0405 .0794 .0706
.410 -.0040 .0007 -.0076
.590 -.0329 -.0256 -.0232
.770 -.0531 -.0533 -.0420
.950 -.1244 -.1063 -.0786

BETA (5) = 1.000 ALPHA (1) = .000 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 36.000

SECTION (1) NOSE LND GR DR-0

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7434 -.6051 -.7218
.200 -.1038 -.0713 -.0761
.410 -.1482 -.1374 -.1470
.590 -.1735 -.1603 -.1579
.770 -.1798 -.1795 -.1647
.950 -.2276 -.2096 -.1855

BETA (5) = 1.000 ALPHA (2) = 2.050 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 36.000

SECTION (1) NOSE LND GR DR-0

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6943 -.5245 -.6220
.200 -.0630 -.0245 -.0281
.410 -.1084 -.0943 -.1004
.590 -.1293 -.1220 -.1124
.770 -.1388 -.1413 -.1267
.950 -.1967 -.1775 -.1522

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(RFPN04)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (5) = 1.010 ALPHA (3) = 4.140 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 36.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6165 -.4513 -.5152
 .200 -.0184 .0225 .0140
 .410 -.0606 -.0510 -.0582
 .590 -.0860 -.0751 -.0727
 .770 -.1016 -.1016 -.0875
 .950 -.1631 -.1451 -.1161

BETA (5) = 1.000 ALPHA (4) = 6.190 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 36.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3878 -.3842 -.4071
 .200 .0285 .0635 .0575
 .410 -.0148 -.0040 -.0173
 .590 -.0438 -.0317 -.0293
 .770 -.0613 -.0607 -.0441
 .950 -.1307 -.1102 -.0788

BETA (6) = 1.990 ALPHA (1) = .020 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 37.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7802 -.6264 -.7333
 .200 -.1217 -.0845 -.0869
 .410 -.1614 -.1470 -.1482
 .590 -.1854 -.1685 -.1590
 .770 -.1958 -.1866 -.1696
 .950 -.2407 -.2094 -.1866

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OALF38 PRESSURE DATA LISTING

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OALF38 NOSE GEAR DOOR OUTER SURFACE (RFPND4)

BETA (6) = 1.980 ALPHA (2) = 2.050 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 37.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7276 -.5485 -.6266
 .200 -.0821 -.0376 -.0412
 .410 -.1158 -.1061 -.1061
 .590 -.1458 -.1230 -.1206
 .770 -.1596 -.1470 -.1315
 .950 -.2095 -.1783 -.1530

BETA (6) = 1.990 ALPHA (3) = 4.130 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 37.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6460 -.4708 -.5248
 .200 -.0400 -.0087 -.0028
 .410 -.0712 -.0516 -.0688
 .590 -.1000 -.0532 -.0736
 .770 -.1152 -.1034 -.0901
 .950 -.1768 -.1480 -.1156

BETA (6) = 1.990 ALPHA (4) = 6.180 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 37.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5538 -.4007 -.4176
 .200 .0080 .0429 .0393
 .410 -.0221 -.0148 -.0269
 .590 -.0510 -.0377 -.0329
 .770 -.0693 -.0679 -.0491
 .950 -.1366 -.1137 -.0739

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPND4)

BETA (7) = 5.010 ALPHA (1) = .000 Q(PSF) = 42.84(P) PO = 2115.0 RUN NO = 38.000

SECTION (1) NOSE LND OR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7986 -.6545 -.7625
 .200 -.1912 -.1336 -.1324
 .410 -.2272 -.1792 -.1744
 .590 -.3136 -.1840 -.1768
 .770 -.2880 -.1960 -.1795
 .950 -.2884 -.2080 -.1864

BETA (7) = 5.010 ALPHA (2) = 2.050 Q(PSF) = 42.84(P) PO = 2115.0 RUN NO = 38.000

SECTION (1) NOSE LND OR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2987 -.5705 -.6519
 .200 -.1447 -.0918 -.0978
 .410 -.1724 -.1351 -.1339
 .590 -.2650 -.1455 -.1353
 .770 -.2453 -.1579 -.1406
 .950 -.2710 -.1772 -.1507

BETA (7) = 5.010 ALPHA (3) = 4.110 Q(PSF) = 42.84(P) PO = 2115.0 RUN NO = 38.000

SECTION (1) NOSE LND OR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5955 -.4822 -.5340
 .200 -.1016 -.0570 -.0678
 .410 -.1184 -.0895 -.0943
 .590 -.2160 -.1040 -.0919
 .770 -.2074 -.1232 -.0935
 .950 -.2425 -.1413 -.1124

DATE 27 APR 77

0A163B PRESSURE DATA LISTING

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0A163B NOSE GEAR (OOR OUTER SURFACE (RFPN04)

BETA (7) = 5.010 ALPHA (4) = 6.200 Q(PSF) = 42.84(PO = 2115.0 RUN NO = 38.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5158	-.4059	-.4.72
.200	-.0571	-.0233	-.0462
.410	-.0692	-.0511	-.0523
.590	-.1537	-.0643	-.0547
.770	-.1704	-.0873	-.0583
.950	-.2225	-.1114	-.0764

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OAIL3B PRESSURE DATA LISTING

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(RFPN05) (27 APR 77)

NOSE GEAR COOR OUTER SURFACE

OAIL3B

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = 5.000 ELV-R = 5.000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

BETA (1) = -5.050 ALPHA (1) = .050 Q(PSF) = 42.827 PO = 2115.0 RUN NO = 39.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5088 -.5728 -.5958
 .200 -.0644 -.0535 -.0680
 .410 -.1417 -.1368 -.1537
 .590 -.1622 -.1550 -.1566
 .770 -.1634 -.1791 -.1796
 .950 -.2178 -.2129 -.1972

BETA (1) = -5.050 ALPHA (2) = 2.120 Q(PSF) = 42.827 PO = 2115.0 RUN NO = 39.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4386 -.4735 -.5169
 .200 -.0172 .0019 -.0076
 .410 -.0843 -.0846 -.1027
 .590 -.1147 -.1099 -.1159
 .770 -.1246 -.1364 -.1377
 .950 -.1882 -.1785 -.1629

BETA (1) = -5.050 ALPHA (3) = 4.190 Q(PSF) = 42.827 PO = 2115.0 RUN NO = 39.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3347 -.3720 -.4176
 .200 .0332 .0513 .0561
 .410 -.0437 -.0340 -.0485
 .590 -.0689 -.0617 -.0653
 .770 -.0822 -.0942 -.0933
 .950 -.1567 -.1447 -.1218

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFPN05)

OAI638 NOSE GEAR COOR OUTER SURFACE

BETA (1) = -5.050 ALPHA (4) = 6.270 Q(PSF) = 42.827 PO = 2115.0 RUN NO = 39.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2996 -.2600 -.3213
 .200 -.0825 .1017 .1185
 .410 .0068 .0224 .0080
 .590 -.0184 -.0124 -.0148
 .770 -.0379 -.0496 -.0480
 .950 -.1145 -.1073 -.0749

BETA (2) = -4.050 ALPHA (1) = .050 Q(PSF) = 42.862 PO = 2115.0 RUN NO = 40.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5285 -.5369 -.6305
 .200 -.0604 -.0460 -.0540
 .410 -.1336 -.1336 -.1540
 .590 -.1504 -.1504 -.1593
 .770 -.1614 -.1720 -.1765
 .950 -.2116 -.2080 -.1936

BETA (2) = -4.050 ALPHA (2) = 2.110 Q(PSF) = 42.862 PO = 2115.0 RUN NO = 40.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3857 -.4482 -.5370
 .200 -.0160 .0067 -.0040
 .410 -.0868 -.0856 -.1012
 .590 -.1108 -.1060 -.1132
 .770 -.1193 -.1336 -.1353
 .950 -.1840 -.1768 -.1568

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR OUTER SURFACE (RFPN05)

BETA (2) = -4.050 ALPHA (3) = 4.190 Q(PSF) = 42.362 PO = 2115.0 RUN NO = 40.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4027 -.3556 -.4413
 .200 .0353 .0563 .0599
 .410 -.0378 -.0306 -.0487
 .590 -.0644 -.0608 -.0656
 .770 -.0775 -.0910 -.0917
 .950 -.1514 -.1441 -.1176

BETA (2) = -4.050 ALPHA (4) = 5.240 Q(PSF) = 42.362 PO = 2115.0 RUN NO = 40.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3240 -.2723 -.3373
 .200 .0802 .0982 .1199
 .410 .0022 .0090 .0032
 .590 -.0164 -.0112 -.0184
 .770 -.0390 -.0449 -.0460
 .950 -.1171 -.1038 -.0774

BETA (3) = -2.970 ALPHA (1) = .070 Q(PSF) = 42.322 PO = 2115.1 RUN NO = 41.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5813 -.5273 -.6678
 .200 -.0652 -.0472 -.0592
 .410 -.1336 -.1276 -.1528
 .590 -.1528 -.1480 -.1564
 .770 -.1594 -.1708 -.1755
 .950 -.2164 -.2068 -.1912

OAI63B NOSE GEAR DOOR OUTER SURFACE (RFPN05)

BETA (3) = -2.970 ALPHA (2) = 2.110 Q(PSF) = 42.322 PO = 2115.1 RUN NO = 41.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3297	-.4455	-.5709
.200	-.0124	.0020	.0020
.410	-.0896	-.0800	-.0993
.590	-.1113	-.1053	-.1125
.770	-.1178	-.1318	-.1340
.950	-.1849	-.1765	-.1560

BETA (3) = -2.960 ALPHA (3) = 4.190 Q(PSF) = 42.322 PO = 2115.1 RUN NO = 41.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3471	-.3591	-.4638
.200	.0357	.0537	.0621
.410	-.0355	-.0317	-.0521
.590	-.0665	-.0591	-.0642
.770	-.0813	-.0905	-.0904
.950	-.1520	-.1400	-.1159

BETA (3) = -2.970 ALPHA (4) = 6.260 Q(PSF) = 42.322 PO = 2115.1 RUN NO = 41.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3635	-.2826	-.3647
.200	.0779	.1059	.1214
.410	.0092	.0152	-.0004
.590	-.0233	-.0135	-.0172
.770	-.0411	-.0486	-.0451
.950	-.1174	-.1041	-.0727

DATE 27 APR 77 0A163B PRESSURE DATA LISTING

0A163B NOSE GEAR DOOR OUTER SURFACE (REFN05)

BETA (4) = -2.030 ALPHA (1) = .030 Q(PSF) = 42.180 PO = 2115.0 RUN NO = 42.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6297 -.5385 .6910
 .200 -.0616 -.0472 -.0532
 .410 -.1325 -.1265 -.1505
 .590 -.1541 -.1457 -.1553
 .770 -.1615 -.1685 -.1756
 .950 -.2154 -.2033 -.1877

BETA (4) = -2.030 ALPHA (2) = 2.120 Q(PSF) = 42.180 PO = 2115.0 RUN NO = 42.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3189 -.4583 -.5869
 .200 -.0184 .0043 .0092
 .410 -.0857 -.0773 -.1025
 .590 -.1109 -.1025 -.1121
 .770 -.1204 -.1302 -.1305
 .950 -.1867 -.1698 -.1482

BETA (4) = -2.030 ALPHA (3) = 4.170 Q(PSF) = 42.180 PO = 2115.0 RUN NO = 42.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4778 -.3789 -.4826
 .200 .0285 .0526 .0659
 .410 -.0401 -.0341 -.0546
 .590 -.0691 -.0594 -.0679
 .770 -.0834 -.0920 -.0895
 .950 -.1559 -.1402 -.1125

DATE 27 APR 77 0:1638 PRESSURE DATA LISTING

(RFPN05)

NOSE GEAL: DOOR OUTER SURFACE

RUN NO = 42.000

P0 = 2115.0

Q(PSF) = 42.180

BETA (4) = -2.030 ALPHA (4) = 6.260

DEPENDENT VARIABLE (P)

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3980 -.2959 -.3704
 .200 .0728 .0993 .1149
 .410 .0068 .0128 -.0028
 .590 -.0232 -.0172 -.0184
 .770 -.0409 -.0496 -.0419
 .950 -.1193 -.1049 -.0700

BETA (5) = -1.040 ALPHA (1) = .050 Q(PSF) = 42.520 P0 = 2115.1 RUN NO = 43.000

DEPENDENT VARIABLE (P)

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6632 -.5575 -.6980
 .200 -.0736 -.0496 -.0472
 .410 -.1373 -.1264 -.1517
 .590 -.1577 -.1483 -.1565
 .770 -.1665 -.1721 -.1716
 .950 -.2201 -.2069 -.1829

BETA (5) = -1.040 ALPHA (2) = 2.120 Q(PSF) = 42.520 P0 = 2115.1 RUN NO = 43.000

DEPENDENT VARIABLE (P)

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5943 -.4757 -.5943
 .200 -.0267 -.0004 -.0079
 .410 -.0914 -.0818 -.1057
 .590 -.1129 -.1069 -.1105
 .770 -.1260 -.1345 -.1310
 .950 -.1907 -.1740 -.1464

DATE 27 APR 77 0A163B PRESSURE DATA LISTING

0A163B NOSE GEAF DOOR OUTER SURFACE (RFPN05)

BETA (5) = -1.040 ALPHA (3) = 4.170 Q(PSF) = 42.520 P0 = 2115.1 RUN NO = 43.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5190 -.3953 -.4914
 .200 .0200 .0501 .0597
 .410 -.0437 -.0377 -.0545
 .590 -.0690 -.0641 -.0635
 .770 -.0863 -.0542 -.0873
 .950 -.11580 -.1424 -.1087

BETA (5) = -1.040 ALPHA (4) = 6.250 Q(PSF) = 42.520 P0 = 2115.1 RUN NO = 43.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4363 -.3123 -.3969
 .200 .0658 .0333 .1037
 .410 .0044 .0980 -.0040
 .590 -.0233 -.0153 -.0208
 .770 -.0440 -.0509 -.0450
 .950 -.1232 -.1051 -.0714

BETA (6) = .000 ALPHA (1) = .040 Q(PSF) = 42.507 P0 = 2115.1 RUN NO = 44.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4186 -.5725 -.7047
 .200 -.0845 -.0556 -.0496
 .410 -.1422 -.1290 -.1530
 .590 -.1638 -.1518 -.1554
 .770 -.1727 -.1758 -.1707
 .950 -.2299 -.2131 -.1830

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR OUTER SURFACE (RFPN05)

BETA (6) = .000 ALPHA (2) = 2.120 Q(PSF) = 42.607 PO = 2115.1 RUN NO = 44.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6092 -.4886 -.6056
 .200 -.0365 -.0076 -.0020
 .410 -.0944 -.0872 -.1052
 .590 -.1197 -.1101 -.1101
 .770 -.1319 -.1354 -.1278
 .950 -.1959 -.1788 -.1462

BETA (6) = .000 ALPHA (3) = 4.170 Q(PSF) = 42.607 PO = 2115.1 RUN NO = 44.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5533 -.4148 -.5075
 .200 .0068 .0381 .0477
 .410 -.0485 -.0437 -.0534
 .590 -.0787 -.0702 -.0690
 .770 -.0935 -.0991 -.0914
 .950 -.1642 -.1473 -.1148

BETA (6) = .000 ALPHA (4) = 6.260 Q(PSF) = 42.607 PO = 2115.1 RUN NO = 44.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4791 -.3441 -.3911
 .200 .0502 .0852 .0936
 .410 -.0028 .0020 -.0076
 .590 -.0341 -.0269 -.0245
 .770 -.0532 -.0570 -.0481
 .950 -.1306 -.1101 -.0787

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR OUTER SURFACE (RFPN05)

BETA (7) = .980 ALPHA (1) = .070 Q(PSF) = 42.847 PO = 2115.1 RUN NO = 45.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7256 -.5897 -.7136
 .200 -.0930 -.0641 -.0557
 .410 -.1459 -.1351 -.1507
 .590 -.1712 -.1567 -.1531
 .770 -.1809 -.1808 -.1688
 .950 -.2361 -.2157 -.1844

BETA (7) = .980 ALPHA (2) = 2.120 Q(PSF) = 42.847 PO = 2115.1 RUN NO = 45.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL

-.6641 -.5126 -.6136
 .200 -.0521 -.0172 -.0124
 .410 -.1026 -.0929 -.1039
 .590 -.1302 -.1162 -.1146
 .770 -.1436 -.1434 -.1295
 .950 -.2048 -.1843 -.1495

BETA (7) = .980 ALPHA (3) = 4.170 Q(PSF) = 42.847 PO = 2115.1 RUN NO = 45.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL

-.6019 -.4391 -.5006
 .200 -.0112 .0333 .0321
 .410 -.0582 -.0522 -.0606
 .590 -.0847 -.0751 -.0739
 .770 -.1026 -.1052 -.0935
 .950 -.1715 -.1522 -.1149

OA163B NOSE GE.R DOOR OUTER SURFACE (RFPN05)

BETA (7) = .980 ALPHA (4) = 6.240 Q(PSF) = 42.847 P0 = 2115.1 RUN NO = 45.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5155 -.3698 -.3855
 .200 .0356 .0766 .0838
 .410 -.0076 -.0052 -.0172
 .590 -.0425 -.0317 -.0304
 .770 -.0631 -.0653 -.0531
 .950 -.1364 -.1159 -.0786

BETA (8) = 1.970 ALPHA (1) = .060 Q(PSF) = 42.845 P0 = 2115.1 RUN NO = 46.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7620 -.6151 -.7316
 .200 -.1132 -.0795 -.0724
 .410 -.1576 -.1455 -.1528
 .590 -.1865 -.1661 -.1588
 .770 -.2007 -.1877 -.1745
 .950 -.2585 -.2201 -.1889

BETA (8) = 1.970 ALPHA (2) = 2.100 Q(PSF) = 42.845 P0 = 2115.1 RUN NO = 46.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6991 -.5355 -.6089
 .200 -.0713 -.0220 -.0256
 .410 -.1134 -.1026 -.1066
 .590 -.1435 -.1242 -.1206
 .770 -.1597 -.1495 -.1386
 .950 -.2265 -.1892 -.1543

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 OA1638 NOSE GEAR DOOR OUTER SURFACE RUN NO = 16.000

BETA (8) = 1.970 ALPHA (3) = 4.180 Q(PSF) = 42.845 PO = 2115.1 RUN NO = 46.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL	.5262	-.4635	-.4924
.050	-.0293	.0212	.0225
.200	-.0703	-.0592	-.0679
.410	-.0980	-.0824	-.0800
.590	-.1158	-.1089	-.0986
.770	-.1837	-.1547	-.1161
.950			

BETA (8) = 1.970 ALPHA (4) = 6.250 Q(PSF) = 42.845 PO = 2115.1 RUN NO = 46.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL	-.5342	-.4077	-.3824
.050	.0164	.0598	.0682
.200	-.0221	-.0124	-.0269
.410	-.0322	-.0377	-.0377
.590	-.0733	-.0715	-.0542
.770	-.1438	-.1209	-.0775
.950			

BETA (9) = 2.980 ALPHA (1) = .070 Q(PSF) = 42.930 PO = 2115.1 RUN NO = 47.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL	-.2224	-.6340	-.7157
.050	-.1336	-.0820	-.0880
.200	-.1720	-.1540	-.1532
.410	-.2116	-.1696	-.1636
.590	-.2317	-.1924	-.1775
.770	-.2944	-.2188	-.1864
.950			

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OA163B NOSE GE/R DOOR OUTER SURFACE (RFPN05)

BETA (9) = 2.990 ALPHA (2) = 2.100 Q(PSF) = 42.930 PO = 2115.1 RUN NO = 47.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7484 -.5559 -.5971
 .200 -.0916 -.0352 -.0424
 .410 -.1228 -.1108 -.1168
 .590 -.1660 -.1288 -.1252
 .770 -.1926 -.1552 -.1394
 .950 -.2621 -.1865 -.1504

BETA (9) = 2.990 ALPHA (3) = 4.190 Q(PSF) = 42.930 PO = 2115.1 RUN NO = 47.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4063 -.4856 -.4796
 .200 -.0496 -.0031 -.0007
 .410 -.0784 -.0654 -.0724
 .590 -.1169 -.0692 -.0856
 .770 -.1475 -.1133 -.0962
 .950 -.2202 -.1553 -.1133

BETA (9) = 2.990 ALPHA (4) = 6.260 Q(PSF) = 42.930 PO = 2115.1 RUN NO = 47.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4971 -.4321 -.3672
 .200 -.0016 -.0380 -.0440
 .410 -.0352 -.0232 -.0280
 .590 -.0689 -.0473 -.0437
 .770 -.0533 -.0773 -.0540
 .950 -.1689 -.1194 -.0737

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPN05)

OA163B NOSE GE/R DOOR OUTER SURFACE

RUN NO = 48.000

P0 = 2115.1

Q(PSF) = 42.912

ALPHA (1) = 4.050

BETA (10) = 4.050

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3199 -.6598 -.6969
 .200 -.1571 -.0937 -.1069
 .410 -.1895 -.1631 -.1631
 .590 -.2613 -.1763 -.1703
 .770 -.2842 -.1942 -.1820
 .950 -.3187 -.2182 -.1847

RUN NO = 48.000

P0 = 2115.1

Q(PSF) = 42.912

ALPHA (2) = 4.040

BETA (10) = 4.040

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7855 -.5812 -.5812
 .200 -.1170 -.0569 -.0655
 .410 -.1411 -.1182 -.1230
 .590 -.2204 -.1375 -.1338
 .770 -.2413 -.1567 -.1426
 .950 -.2902 -.1868 -.1495

RUN NO = 48.000

P0 = 2115.1

Q(PSF) = 42.912

ALPHA (3) = 4.050

BETA (10) = 4.050

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5779 -.5119 -.4637
 .200 -.0714 -.0208 -.0280
 .410 -.0906 -.0750 -.0786
 .590 -.1616 -.0966 -.0918
 .770 -.2001 -.1219 -.0984
 .950 -.2555 -.1496 -.1111

DATE 27 APR 77 0A1638 PRESSURE DATA LISTING

(RFPN05)

0A1638 NOSE GEAR DOOR OUTER SURFACE

RUN NO = 48.000

P0 = 2115.1

BETA (10) = 4.050 ALPHA (4) = 6.250 Q(PSF) = 42.912
SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.4229 -.4542 -.3591
.200 -.0244 .0128 .0188
.410 -.0485 -.0329 -.0377
.590 -.1051 -.0581 -.0497
.770 -.1428 -.0838 -.0581
.950 -.2207 -.1147 -.0738

BETA (11) = 5.000 ALPHA (1) = .060 Q(PSF) = 42.347 P0 = 2115.1 RUN NO = 49.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5544 -.6767 -.6755
.200 -.1826 -.1167 -.1347
.410 -.2234 -.1718 -.1670
.590 -.3337 -.1826 -.1778
.770 -.3229 -.1922 -.1813
.950 -.3169 -.2102 -.1814

BETA (11) = 5.000 ALPHA (2) = 2.130 Q(PSF) = 42.347 P0 = 2115.1 RUN NO = 49.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.6363 -.6015 -.5547
.200 -.1371 -.0771 -.0975
.410 -.1659 -.1263 -.1239
.590 -.2895 -.1431 -.1383
.770 -.2829 -.1599 -.1423
.950 -.2967 -.1743 -.1443

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING (RFPN05)

BETA (11) = 5.000 ALPHA (3) = 4.190 Q(PSF) = 42.347 PO = 2115.1 RUN NO = 49.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE :P

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.6959	-.5413	-.4592
.200	-.0982	-.0475	-.0632
.410	-.1151	-.0873	-.0873
.590	-.2479	-.1078	-.0982
.770	-.2463	-.1272	-.1008
.950	-.2769	-.1441	-.1127

BETA (11) = 5.000 ALPHA (4) = 5.250 Q(PSF) = 42.347 PO = 2115.1 RUN NO = 49.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE :P

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.5980	-.4905	-.3638
.200	-.0487	-.0173	-.0161
.410	-.0680	-.0450	-.0432
.590	-.1899	-.0668	-.0595
.770	-.2119	-.0933	-.0634
.950	-.2527	-.1126	-.0764

(RFPN06) (27 APR 77)

NOSE GEAR DOOR OUTER SURFACE

OA163B

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = 16.300
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

BETA (1) = -5.030 ALPHA (1) = .010 Q(PSF) = 42.022 PO = 2119.9 RUN NO = 51.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640
 X/CNL
 .050 -.5069 -.5706 -.6019
 .200 -.0653 -.0521 -.0689
 .410 -.1411 -.1339 -.1568
 .590 -.1616 -.1555 -.1604
 .770 -.1648 -.1784 -.1840
 .950 -.2181 -.2133 -.1989

BETA (1) = -5.030 ALPHA (2) = 2.100 Q(PSF) = 42.022 PO = 2119.9 RUN NO = 51.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640
 X/CNL
 .050 -.4383 -.4719 -.5164
 .200 -.0160 .0007 -.0052
 .410 -.0930 -.0858 -.1050
 .590 -.1146 -.1098 -.1134
 .770 -.1266 -.1363 -.1376
 .950 -.1856 -.1808 -.1604

BETA (1) = -5.030 ALPHA (3) = 4.140 Q(PSF) = 42.022 PO = 2119.9 RUN NO = 51.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640
 X/CNL
 .050 -.3704 -.3728 -.4210
 .200 .0345 .0526 .0562
 .410 -.0450 -.0341 -.0510
 .590 -.0703 -.0618 -.0654
 .770 -.0834 -.0944 -.0945
 .950 -.1546 -.1462 -.1257

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING (RFPN06)

BETA (1) = -5.040 ALPHA (4) = 6.230 Q(PSF) = 42.822 PO = 2119.9 RUN NO = 51.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2992 -.2703 -.3233
 .200 .0815 .1056 .1176
 .410 .0044 .0200 .0044
 .590 -.0233 -.0136 -.0148
 .770 -.0400 -.0498 -.0471
 .950 -.1160 -.1100 -.0811

BETA (2) = -4.030 ALPHA (1) = .010 Q(PSF) = 42.780 PO = 2119.8 RUN NO = 52.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5381 -.5417 -.6357
 .200 -.0606 -.0414 -.0643
 .410 -.1306 -.1330 -.1559
 .590 -.1523 -.1523 -.1595
 .770 -.1611 -.1752 -.1803
 .950 -.2138 -.2101 -.1945

BETA (2) = -4.030 ALPHA (2) = 2.090 Q(PSF) = 42.780 PO = 2119.8 RUN NO = 52.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4660 -.4479 -.5481
 .200 -.0112 -.0068 -.0016
 .410 -.0860 -.0836 -.1041
 .590 -.1089 -.1077 -.1113
 .770 -.1229 -.1331 -.1370
 .950 -.1837 -.1777 -.1584

(RFPN05)

OA163B NOSE GEAR DOOR OUTER SURFACE

BETA (2) = -4.030 ALPHA (3) = 4.140 Q(PSF) = 42.780 PO = 2119.8 RUN NO = 52.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3980	-.3570	-.4510
.200	.0357	.0526	.0610
.410	-.0389	-.0329	-.0498
.590	-.0654	-.0618	-.0642
.770	-.0794	-.0919	-.0925
.950	-.1534	-.1425	-.1209

BETA (2) = -4.030 ALPHA (4) = 6.240 Q(PSF) = 42.780 PO = 2119.8 RUN NO = 52.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3340	-.2714	-.3412
.200	.0827	.1043	.1224
.410	.0069	.0169	-.0016
.590	-.0220	-.0148	-.0172
.770	-.0420	-.0497	-.0481
.950	-.1196	-.1076	-.0799

BETA (3) = -2.950 ALPHA (1) = .010 Q(PSF) = 42.832 PO = 2119.8 RUN NO = 53.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5858	-.5329	-.6699
.200	-.0605	-.0472	-.0605
.410	-.1314	-.1302	-.1530
.590	-.1518	-.1506	-.1590
.770	-.1607	-.1711	-.1778
.950	-.2155	-.2083	-.1915

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

OA163B NOSE GEAR DOOR OUTER SURFACE (RFPN06)

BETA (3) = -2.950 ALPHA (2) = 2.100 Q(PSF) = 42.832 PO = 2119.9 RUN NO = 53.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5054 -.4405 -.5656
 .200 -.0124 .0044 .0056
 .410 -.0845 -.0773 -.1014
 .590 -.1074 -.1026 -.1122
 .770 -.1205 -.1278 -.1336
 .950 -.1844 -.1735 -.1543

BETA (3) = -2.950 ALPHA (3) = 4.150 Q(PSF) = 42.832 PO = 2119.9 RUN NO = 53.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4380 -.3609 -.4718
 .200 .0333 .0526 .0659
 .410 -.0401 -.0317 -.0522
 .590 -.0679 -.0582 -.0555
 .770 -.0834 -.0884 -.0915
 .950 -.1535 -.1402 -.1161

BETA (3) = -2.950 ALPHA (4) = 6.220 Q(PSF) = 42.832 PO = 2119.9 RUN NO = 53.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3680 -.2848 -.3632
 .200 .0803 .1044 .1237
 .410 .0044 .0176 -.0016
 .590 -.0209 -.0160 -.0196
 .770 -.0421 -.0498 -.0461
 .950 -.1221 -.1052 -.0763

OA163B NOSE GEAR DOOR OUTER SURFACE (RFPN06)

BETA (4) = -2.020 ALPHA (1) = .040 Q(PSF) = 42.867 PO = 2119.8 RUN NO = 54.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/BNL
.050	-.6302	-.5376
.200	-.0641	-.0496
.410	-.1338	-.1254
.590	-.1554	-.1446
.770	-.1627	-.1686
.950	-.2179	-.2035

BETA (4) = -2.020 ALPHA (2) = 2.090 Q(PSF) = 42.867 PO = 2119.8 RUN NO = 54.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/BNL
.050	-.5604	-.4604
.200	-.0196	.0056
.410	-.0995	-.0793
.590	-.1136	-.1051
.770	-.1237	-.1304
.950	-.1882	-.1714

BETA (4) = -2.020 ALPHA (3) = 4.150 Q(PSF) = 42.867 PO = 2119.8 RUN NO = 54.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/BNL
.050	-.4859	-.3786
.200	.0285	.0525
.410	-.0425	-.0353
.590	-.0678	-.0606
.770	-.0844	-.0907
.950	-.1534	-.1389

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR OUTER SURFACE (RFPN06)

BETA (4) = -2.020 ALPHA (4) = 6.220 Q(PSF) = 42.867 PO = 2119.8 RUN NO = 54.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4037 -.2981 -.3773
 .200 .0752 .1029 .1184
 .410 .0055 .0127 .0028
 .590 -.0244 -.0184 -.0196
 .770 -.0429 -.0532 -.0469
 .950 -.1216 -.1072 -.0712

BETA (5) = -1.020 ALPHA (1) = .030 Q(PSF) = 42.815 PO = 2119.8 RUN NO = 55.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6699 -.5579 -.7012
 .200 -.0726 -.0473 -.0485
 .410 -.1352 -.1256 -.1533
 .590 -.1557 -.1497 -.1593
 .770 -.1680 -.1726 -.1740
 .950 -.2207 -.2063 -.1846

BETA (5) = -1.020 ALPHA (2) = 2.100 Q(PSF) = 42.815 PO = 2119.8 RUN NO = 55.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5997 -.4781 -.5937
 .200 -.0268 -.0004 .0080
 .410 -.0906 -.0846 -.1039
 .590 -.1159 -.1053 -.1111
 .770 -.1276 -.1351 -.1286
 .950 -.1917 -.1737 -.1450

DATE 27 APR 77 JAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR OUTER SURFACE (RFPN06)

BETA (5) = -1.020 ALPHA (3) = 4.150 Q(PSF) = 42.815 PO = 2119.8 RUN NO = 55.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.5197	-.3932	-.4944
.200	.0188	.0489	.0598
.410	-.0449	-.0401	-.0558
.590	-.0715	-.0654	-.0666
.770	-.0894	-.0943	-.0884
.950	-.1570	-.1425	-.1100

BETA (5) = -1.020 ALPHA (4) = 6.240 Q(PSF) = 42.815 PO = 2119.8 RUN NO = 55.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.4390	-.3197	-.3956
.200	.0634	.0947	.1080
.410	.0032	.0068	-.0064
.590	-.0269	-.0221	-.0195
.770	-.0481	-.0534	-.0451
.950	-.1257	-.1076	-.0703

BETA (6) = .000 ALPHA (1) = .010 Q(PSF) = 42.787 PO = 2119.8 RUN NO = 56.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.6951	-.5713	-.7072
.200	-.0821	-.0569	-.0496
.410	-.1398	-.1302	-.1542
.590	-.1638	-.1530	-.1554
.770	-.1727	-.1759	-.1727
.950	-.2287	-.2143	-.1843

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFPN06)

OAI638 NOSE GEAR DOOR OUTER SURFACE

BETA (6) = .000 ALPHA (2) = 2.100 Q(PSF) = 42.787 PO = 2119.8 RUN NO = 56.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6289 -.4929 -.6097
 .200 -.0365 -.0100 .0007
 .410 -.0979 -.0871 -.1051
 .590 -.1220 -.1123 -.1123
 .770 -.1368 -.1388 -.1327
 .950 -.1978 -.1798 -.1485

BETA (6) = .000 ALPHA (3) = 4.160 Q(PSF) = 42.787 PO = 2119.8 RUN NO = 56.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5589 -.4190 -.5107
 .200 .0080 .0406 .0454
 .410 -.0498 -.0438 -.0583
 .590 -.0788 -.0691 -.0667
 .770 -.0966 -.0993 -.0896
 .950 -.1644 -.1487 -.1150

BETA (5) = .000 ALPHA (4) = 6.220 Q(PSF) = 42.787 PO = 2119.8 RUN NO = 56.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4860 -.3447 -.4039
 .200 .0515 .0889 .0914
 .410 -.0028 -.0016 -.0088
 .590 -.0330 -.0294 -.0281
 .770 -.0563 -.0583 -.0523
 .950 -.1332 -.1139 -.0777

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFPN06)

OAI638 NOSE GEAR DOOR OUTER SURFACE

RUN NO = 57.000

PO = 2119.9

Q(PSF) = 42.847

BETA (7) = 1.000 ALPHA (1) = .020

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.7304	-.5923
.200	-.0952	-.0576
.410	-.1517	-.1384
.590	-.1733	-.1601
.770	-.1836	-.1841
.950	-.2405	-.2201

RUN NO = 57.000

PO = 2119.9

Q(PSF) = 42.847

BETA (7) = 1.000 ALPHA (2) = 2.080

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6844	-.5128
.200	-.0509	-.0172
.410	-.1039	-.0966
.590	-.1279	-.1182
.770	-.1447	-.1459
.950	-.2061	-.1856

RUN NO = 57.000

PO = 2119.9

Q(PSF) = 42.847

BETA (7) = 1.000 ALPHA (3) = 4.150

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6005	-.4418
.200	-.0124	.0320
.410	-.0605	-.0533
.590	-.0870	-.0773
.770	-.1054	-.1038
.950	-.1736	-.1531

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN06)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (7) = 1.000 ALPHA (4) = 6.240 Q(PSF) = 42.847 P0 = 2119.9 RUN NO = 57.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.5195	-.3770
.200	-.0346	.0744
.410	-.0100	-.0064
.590	-.0414	-.0317
.770	-.0654	-.0512
.950	-.1368	-.0764

BETA (8) = 1.980 ALPHA (1) = .010 Q(PSF) = 42.860 P0 = 2119.9 RUN NO = 58.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.7639	-.6198
.200	-.1120	-.0724
.410	-.1588	-.1456
.590	-.1864	-.1650
.770	-.2017	-.1876
.950	-.2585	-.2169

BETA (8) = 1.980 ALPHA (2) = 2.110 Q(PSF) = 42.860 P0 = 2119.9 RUN NO = 58.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.7152	-.5368
.200	-.0727	-.0233
.410	-.1149	-.1040
.590	-.1438	-.1257
.770	-.1601	-.1486
.950	-.2246	-.1872

DATE 27 APR 77

OA1638 PRESSURE DATA LISTING

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OA1638 NOSE SEAR DOOR OUTER SURFACE (RFPN06)

BETA (8) = 1.980 ALPHA (3) = 4.160 Q(PSF) = 42.860 PO = 2119.9 RUN NO = 59.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6407 -.4661 -.4998
 .200 -.0280 .0212 .0236
 .410 -.0678 -.0581 -.0702
 .590 -.0978 -.0810 -.0786
 .770 -.1175 -.1087 -.0984
 .950 -.1857 -.1556 -.1135

BETA (8) = 1.930 ALPHA (4) = 6.240 Q(PSF) = 42.860 PO = 2119.9 RUN NO = 59.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5440 -.4069 -.3877
 .200 -.0176 .0573 .0693
 .410 -.0208 -.0124 -.0256
 .590 -.0509 -.0388 -.0376
 .770 -.0762 -.0701 -.0541
 .950 -.1423 -.1194 -.0761

BETA (9) = 2.930 ALPHA (1) = .010 Q(PSF) = 42.877 PO = 2119.9 RUN NO = 59.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.8176 -.6373 -.7142
 .200 -.1362 -.0845 -.0893
 .410 -.1710 -.1566 -.1566
 .590 -.2143 -.1734 -.1662
 .770 -.2371 -.1926 -.1797
 .950 -.2960 -.2203 -.1878

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN05)

OAI63B NOSE 3EAR DOOR OUTER SURFACE

RUN NO = 59.000

PO = 2119.9

BETA (9) = 2.980 ALPHA (2) = 2.100 Q(PSF) = 42.877

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7570 -.5600 -.5972
 .200 -.0940 -.0352 -.0400
 .410 -.1265 -.1133 -.1181
 .590 -.1673 -.1301 -.1265
 .770 -.1947 -.1541 -.1414
 .950 -.2562 -.1877 -.1517

RUN NO = 59.000

PO = 2119.9

BETA (9) = 2.980 ALPHA (3) = 4.150 Q(PSF) = 42.877

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6720 -.4914 -.4902
 .200 -.0485 -.0019 .0019
 .410 -.0810 -.0666 -.0750
 .590 -.1159 -.0870 -.0834
 .770 -.1458 -.1159 -.1014
 .950 -.2194 -.1556 -.1135

RUN NO = 59.000

PO = 2119.9

BETA (9) = 2.980 ALPHA (4) = 6.230 Q(PSF) = 42.877

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5675 -.4314 -.3785
 .200 -.0016 .0381 .0417
 .410 -.0341 -.0196 -.0305
 .590 -.0666 -.0485 -.0437
 .770 -.0944 -.0774 -.0602
 .950 -.1677 -.1208 -.0750

DATE 27 APR 77

OAI63B PRESSURE DATA LISTING

(RFPN06)

OAI63B NOSE REAR DOOR OUTER SURFACE

RUN NO = 60.000

BETA (10) = 4.060 ALPHA (1) = .020 Q(PSF) = 12.825 P0 = 2119.9

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.8655	-.6663
.200	-.1600	-.0328
.410	-.1924	-.1612
.590	-.2656	-.1816
.770	-.2859	-.1984
.950	-.3183	-.2176

BETA (10) = 4.060 ALPHA (2) = 2.090 Q(PSF) = 12.825 P0 = 2119.9 RUN NO = 60.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.7924	-.5862
.200	-.1197	-.0346
.410	-.1426	-.1195
.590	-.2210	-.1390
.770	-.2469	-.1595
.950	-.2921	-.1972

BETA (10) = 4.060 ALPHA (3) = 4.160 Q(PSF) = 12.825 P0 = 2119.9 RUN NO = 60.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6917	-.5110
.200	-.0714	-.0220
.410	-.0931	-.0752
.590	-.1714	-.0957
.770	-.2023	-.1244
.950	-.2305	-.1533

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPN06)

OA163B NOSE (EAR DOOR OUTER SURFACE

RUN NO = 60.000

PO = 2119.9

Q(PSF) = 12.825

BETA (10) = 4.060 ALPHA (4) = 6.230

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Q(PSF)	ALPHA (4)	BETA (10)
.050	-.5796	-.4626	-.3650	
.200	-.0245	.0140	.0176	
.410	-.0486	-.0329	-.0378	
.590	-.1090	-.0583	-.0510	
.770	-.1482	-.0860	-.0603	
.950	-.2188	-.1174	-.0752	

BETA (11) = 5.010 ALPHA (1) = .050 Q(PSF) = 12.762 PO = 2119.9 RUN NO = 61.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Q(PSF)	ALPHA (1)	BETA (11)
.050	-.8884	-.6826	-.6802	
.200	-.1857	-.1147	-.1387	
.410	-.2254	-.1700	-.1688	
.590	-.3421	-.1833	-.1809	
.770	-.3290	-.1977	-.1850	
.950	-.3192	-.2109	-.1833	

BETA (11) = 5.010 ALPHA (2) = 2.090 Q(PSF) = 12.762 PO = 2119.9 RUN NO = 61.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Q(PSF)	ALPHA (2)	BETA (11)
.050	-.8130	-.6026	-.5651	
.200	-.1419	-.0802	-.1007	
.410	-.1709	-.1298	-.1298	
.590	-.2930	-.1491	-.1394	
.770	-.2802	-.1636	-.1454	
.950	-.3003	-.1793	-.1467	

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING (RFPN05)

BETA (11) = 5.010 ALPHA (3) = 4.160 Q(PSF) = 42.762 PO = 2119.9 RUN NO = 61.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.7199	-.5463
.200	-.0980	-.0474
.410	-.1197	-.0907
.590	-.2547	-.1064
.770	-.2488	-.1281
.950	-.2763	-.1462

BETA (11) = 5.010 ALPHA (4) = 6.250 Q(PSF) = 42.762 PO = 2119.9 RUN NO = 61.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6044	-.4838
.200	-.0498	-.0160
.410	-.0703	-.0486
.590	-.1909	-.0679
.770	-.2086	-.0896
.950	-.2499	-.1089

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPN07) (27 APR 77)

NOSE GEAR DOOR OUTER SURFACE

OA163B

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
ELV-L = .000 ELV-R = .000
PHI-N = 66.000 THETAN = 108.000
PHI-ML = 26.000 THETML = 4.000
PHI-MR = 26.000 THETMR = 4.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0405

BETA (1) = -5.050 ALPHA (1) = .000 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 62.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.4361 -.3844 -.4301
.200 .0152 .0212 .0080
.410 -.0437 -.0521 -.0918
.590 -.0690 -.0846 -.1075
.770 -.1125 -.1364 -.1458
.950 -.2844 -.2736 -.2543

BETA (1) = -5.050 ALPHA (2) = 2.070 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 62.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3773 -.3084 -.3688
.200 .0624 .0744 .0636
.410 .0007 -.0040 -.0354
.590 -.0281 -.0390 -.0608
.770 -.0816 -.0970 -.1018
.950 -.2528 -.2444 -.2251

BETA (1) = -5.050 ALPHA (3) = 4.130 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 62.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3062 -.2388 -.2941
.200 .1031 .1163 .1236
.410 .0465 .0429 .0164
.590 .0104 .0007 -.0112
.770 -.0501 -.0606 -.0591
.950 -.2183 -.2087 -.1942

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFPN07)

OAI638 NOSE GEAR DOOR OUTER SURFACE

BETA (1) = -5.050 ALPHA (4) = 6.190 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 62.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2055	-.1778	-.2140
.200	-.1420	.1577	.1709
.410	.3913	.0864	.0708
.590	.0502	.0430	.0382
.770	-.0138	-.0221	-.0123
.950	-.1874	-.1754	-.1597

BETA (2) = -2.020 ALPHA (1) = .000 Q(PSF) = 42.842 PO = 2117.8 RUN NO = 63.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5581	-.4463	-.5761
.200	-.0052	.0116	-.0040
.410	-.0529	-.0553	-.0977
.590	-.1001	-.1025	-.1206
.770	-.1647	-.1652	-.1677
.950	-.3369	-.3009	-.2744

BETA (2) = -2.030 ALPHA (2) = 2.070 Q(PSF) = 42.842 PO = 2117.8 RUN NO = 63.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4956	-.3795	-.4918
.200	.0297	.0527	.0527
.410	-.0257	-.0245	-.0462
.590	-.0656	-.0656	-.0716
.770	-.1442	-.1295	-.1270
.950	-.3396	-.2696	-.2467

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING (RFPN07)

BETA (2) = -2.020 ALPHA (3) = 4.120 Q(PSF) = 42.842 P0 = 2117.8 RUN NO = 63.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Y/BNL	Y/BNL
.050	-.4301	-.3133	-.4109
.200	.0597	.0922	.0983
.410	.0104	.0140	.0044
.590	-.0341	-.0258	-.0280
.770	-.1216	-.0955	-.0863
.950	-.3639	-.2375	-.2194

BETA (2) = -2.030 ALPHA (4) = 6.190 Q(PSF) = 42.842 P0 = 2117.8 RUN NO = 63.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Y/BNL	Y/BNL
.050	-.3512	-.2551	-.3416
.200	.0933	.1233	.1425
.410	.0488	.0536	.0500
.590	-.0016	.0164	.0189
.770	-.1133	-.0580	-.0449
.950	-.4064	-.2034	-.1856

BETA (3) = -1.030 ALPHA (1) = .000 Q(PSF) = 42.870 P0 = 2117.8 RUN NO = 64.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Y/BNL	Y/BNL
.050	-.6012	-.4729	-.6048
.200	-.0207	.0019	-.0100
.410	-.0771	-.0759	-.1047
.590	-.1293	-.1115	-.1299
.770	-.2105	-.1815	-.1784
.950	-.4597	-.3122	-.2858

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPN07)

OA163B NOSI: GEAR DOOR OUTER SURFACE

BETA (3) = -1.030 ALPHA (2) = 2.080 Q(PSF) = 42.870 PO = 2117.8 RUN NO = 64.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5347 -.4098 -.5263
 .200 .0103 .0392 .0428
 .410 -.0412 -.0388 -.0508
 .590 -.0904 -.0760 -.0808
 .770 -.2158 -.1433 -.1384
 .950 -.4999 -.2777 -.2585

BETA (3) = -1.030 ALPHA (3) = 4.120 Q(PSF) = 42.870 PO = 2117.8 RUN NO = 64.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4700 -.3408 -.4519
 .200 .0394 .0780 .0877
 .410 -.0076 -.0004 -.0052
 .590 -.0680 -.0378 -.0354
 .770 -.2351 -.1066 -.0967
 .950 -.5158 -.2430 -.2237

BETA (3) = -1.040 ALPHA (4) = 6.200 Q(PSF) = 42.870 PO = 2117.8 RUN NO = 64.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3905 -.2833 -.3808
 .200 .0682 .1079 .1260
 .410 .0272 .0381 .0393
 .590 -.0594 -.0004 .0080
 .770 -.2677 -.0702 -.0541
 .950 -.4964 -.2075 -.1918

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OAI63B PRESSURE DATA LISTING

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BETA (4) = -.010 ALPHA (1) = .000 Q(PSF) = 42.835 PO = 2117.8 RUN NO = 65.000
 SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP (RFPN07)

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6357 -.5035 -.6345
 .200 -.0388 -.0100 -.0160
 .410 -.0940 -.0830 -.1109
 .590 -.1553 -.1289 -.1337
 .770 -.3053 -.1949 -.1857
 .950 -.5855 -.3198 -.2846

BETA (4) = -.010 ALPHA (2) = 2.050 Q(PSF) = 42.835 PO = 2117.8 RUN NO = 65.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5739 -.4404 -.5630
 .200 -.0136 -.0272 .0272
 .410 -.0605 -.0533 -.0617
 .590 -.1434 -.0905 -.0893
 .770 -.3448 -.1579 -.1476
 .950 -.5775 -.2841 -.2651

BETA (4) = -.010 ALPHA (3) = 4.120 Q(PSF) = 42.835 PO = 2117.8 RUN NO = 65.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5099 -.3774 -.4858
 .200 .0128 .0998 .0730
 .410 -.0245 -.0150 -.0172
 .590 -.1582 -.0510 -.0473
 .770 -.3818 -.1208 -.1076
 .950 -.5292 -.2473 -.2364

(RFPN07)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (4) = -.010 ALPHA (4) = 6.200 Q(PSF) = 42.835 PO = 2117.8 RUN NO = 65.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4472 -.3216 -.4110
 .200 .0430 .0877 .1106
 .410 .0104 .0201 .0237
 .590 -.1912 -.0112 -.0028
 .770 -.3979 -.0849 -.0624
 .950 -.4750 -.2129 -.2008

BETA (5) = .980 ALPHA (1) = .000 Q(PSF) = 42.865 PO = 2117.8 RUN NO = 66.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6733 -.5396 -.6697
 .200 -.0642 -.0232 -.0292
 .410 -.1195 -.1063 -.1219
 .590 -.2303 -.1448 -.1460
 .770 -.4359 -.2098 -.1972
 .950 -.6275 -.3302 -.3073

BETA (5) = .980 ALPHA (2) = 2.080 Q(PSF) = 42.865 PO = 2117.8 RUN NO = 66.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6218 -.4766 -.5918
 .200 -.0387 .0139 .0163
 .410 -.0891 -.0687 -.0699
 .590 -.2499 -.1071 -.0975
 .770 -.4646 -.1731 -.1573
 .950 -.5822 -.2919 -.2739

DATE 27 APR 77

OA1638 PRESSURE DATA LISTING

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OA1638 NOSE GEAR DOOR OUTER SURFACE (RFPN07)

BETA (5) = .980 ALPHA (3) = 4.120 Q(PSF) = 42.865 PO = 2117.8 RUN NO = 66.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5622 -.4199 -.5236
 .200 -.0112 .0405 .0574
 .410 -.0546 -.0317 -.0341
 .590 -.2873 -.0691 -.0570
 .770 -.4759 -.1354 -.1177
 .950 -.5320 -.2596 -.2463

BETA (5) = .990 ALPHA (4) = 6.200 Q(PSF) = 42.865 PO = 2117.8 RUN NO = 66.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4851 -.3552 -.4454
 .200 .0176 .0657 .0958
 .410 -.0376 .0031 .0044
 .590 -.3263 -.0268 -.0124
 .770 -.4547 -.0942 -.0782
 .950 -.4911 -.2169 -.2072

BETA (6) = 1.980 ALPHA (1) = .010 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 67.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7041 -.5718 -.6933
 .200 -.0882 -.0437 -.0413
 .410 -.1579 -.1195 -.1279
 .590 -.3420 -.1567 -.1519
 .770 -.5253 -.2241 -.2051
 .950 -.6271 -.3384 -.3155

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN07)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (6) = 1.980 ALPHA (2) = 2.080 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 67.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VAF IABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6512 -.5174 -.6235
 .200 -.0842 -.0088 .0020
 .410 -.1365 -.0859 -.0859
 .590 -.3824 -.1185 -.1088
 .770 -.5283 -.1848 -.1661
 .950 -.5897 -.3053 -.2848

BETA (6) = 1.980 ALPHA (3) = 4.120 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 67.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VAF IABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5950 -.4587 -.5491
 .200 -.0414 -.0188 .0430
 .410 -.1270 -.0534 -.0486
 .590 -.4129 -.0800 -.0667
 .770 -.5125 -.1523 -.1279
 .950 -.5568 -.2778 -.2536

BETA (6) = 1.980 ALPHA (4) = 6.200 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 67.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VAF IABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5416 -.3978 -.4679
 .200 -.0124 .0491 .0759
 .410 -.1308 -.0173 -.0185
 .590 -.4171 -.0114 -.0221
 .770 -.4992 -.1151 -.0917
 .950 -.5307 -.2444 -.2142

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

(RFPN08) (27 APR 77)

N(SE GEAR DOOR OUTER SURFACE

OA163B

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 50.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

BETA (1) = -5.030 ALPHA (1) = .000 Q(PSF) = 42.787 PO = 2116.4 RUN NO = 68.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4268 -.3784 -.4276
 .200 .0187 .0211 .0091
 .410 -.0424 -.0320 -.0868
 .590 -.0640 -.0820 -.1072
 .770 -.1122 -.1312 -.1413
 .950 -.2768 -.2692 -.2512

BETA (1) = -5.040 ALPHA (2) = 2.090 Q(PSF) = 42.787 PO = 2116.4 RUN NO = 68.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3762 -.3051 -.3654
 .200 .0634 .0730 .0646
 .410 .0019 -.0016 -.0329
 .590 -.0293 -.0399 -.0570
 .770 -.0814 -.0979 -.1015
 .950 -.2533 -.2413 -.2220

BETA (1) = -5.030 ALPHA (3) = 4.130 Q(PSF) = 42.787 PO = 2116.4 RUN NO = 68.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3072 -.2384 -.3012
 .200 .1034 .1167 .1264
 .410 .0442 .0394 .0177
 .590 .0104 .0307 -.0089
 .770 -.0513 -.0596 -.0593
 .950 -.2227 -.2118 -.1961

C/A163B NC5E GEAR DOOR OUTER SURFACE (RFPN08)

BETA (1) = -5.030 ALPHA (4) = 6.210 Q(PSF) = 42.787 PO = 2116.4 RUN NO = 68.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2142 -.1779 -.2142
 .200 .1409 .1578 .1735
 .410 .0869 .0853 .0696
 .590 .0503 .0442 .0370
 .770 -.0138 -.0221 -.0159
 .950 -.1852 -.1767 -.1522

BETA (2) = -2.020 ALPHA (1) = .000 Q(PSF) = 42.880 PO = 2116.5 RUN NO = 69.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5564 -.4481 -.5793
 .200 -.0040 .0128 .0040
 .410 -.0629 -.0654 -.0979
 .590 -.1003 -.1015 -.1195
 .770 -.1639 -.1653 -.1659
 .950 -.3338 -.3013 -.2760

BETA (2) = -2.020 ALPHA (2) = 2.060 Q(PSF) = 42.880 PO = 2116.5 RUN NO = 69.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4955 -.3778 -.4931
 .200 .0272 .0536 .0536
 .410 -.0255 -.0256 -.0472
 .590 .0677 -.0653 -.0713
 .770 -.1405 -.1314 -.1264
 .950 -.3453 -.2708 -.2455

DATE 27 APR 77 0A163B PRESSURE DATA LISTING

(RFPN08)

BETA (2) = -2.020 ALPHA (3) = 4.120 Q(PSF) = 42.880 PO = 2116.5 RUN NO = 69.000

0A163B NOSE GEAR DOOR OUTER SURFACE

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4313 -.3124 -.4097
 .200 .0508 .0944 .0992
 .410 .0091 .0127 .0019
 .590 -.0328 -.0255 -.0280
 .770 -.1243 -.0952 -.0871
 .950 -.3641 -.2368 -.2176

BETA (2) = -2.020 ALPHA (4) = 6.200 Q(PSF) = 42.880 PO = 2116.5 RUN NO = 69.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3496 -.2521 -.3376
 .200 .0947 .1272 .1417
 .410 .0453 .0525 .0501
 .590 -.0004 .0164 .0176
 .770 -.1136 -.0570 -.0451
 .950 -.4088 -.2003 -.1858

BETA (3) = -1.020 ALPHA (1) = .000 Q(PSF) = 42.887 PO = 2116.4 RUN NO = 70.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VAR ABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5988 -.4760 -.6096
 .200 -.0196 -.0032 -.0088
 .410 -.0786 -.0738 -.1015
 .590 -.1184 -.1135 -.1268
 .770 -.2103 -.1786 -.1771
 .950 -.4639 -.3122 -.2845

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN08)

OAI63B NOISE GEAR DOOR OUTER SURFACE

RUN NO = 70.000

PO = 2116.4

BETA (3) = -1.010 ALPHA (2) = 2.070 Q(PSF) = 42.887

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL	-5396	-4087	-5252
.050	.0104	.0416	.0440
.200	-.0400	-.0364	-.0532
.410	-.0504	-.0760	-.0808
.590	-.2178	-.1445	-.1374
.770	-.5036	-.2790	-.2574
.950			

RUN NO = 70.000

PO = 2116.4

BETA (3) = -1.020 ALPHA (3) = 4.140 Q(PSF) = 42.887

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	-4699	-3411	-4543
.050	.0381	.0730	.0874
.200	-.0022	.0019	-.0032
.410	-.0634	-.0377	-.0341
.590	-.2295	-.1075	-.0954
.770	-.5133	-.2448	-.2267
.950			

RUN NO = 70.000

PO = 2116.4

BETA (3) = -1.020 ALPHA (4) = 6.210 Q(PSF) = 42.887

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	-.3940	-.2660	-.3820
.050	.0692	.1088	.1304
.200	.0295	.0391	.0379
.410	-.0592	.0031	.0091
.590	-.2729	-.0699	-.0549
.770	-.4548	-.2032	-.1924
.950			

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING (RFPN08)

BETA (4) = .010 ALPHA (1) = -.010 Q(PSF) = 42.855 P0 = 2116.4 RUN NO = 71.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6399 -.5029 -.6387
 .200 -.0400 -.0003 -.0184
 .410 -.0541 -.0905 -.1110
 .590 -.1579 -.1290 -.1326
 .770 -.3003 -.1951 -.1668
 .950 -.5334 -.3190 -.2973

BETA (4) = .000 ALPHA (2) = 2.050 Q(PSF) = 42.855 P0 = 2116.4 RUN NO = 71.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5702 -.4392 -.5554
 .200 -.0136 .0284 .0284
 .410 -.0605 -.0345 -.0629
 .590 -.1503 -.0929 -.0905
 .770 -.3287 -.1556 -.1486
 .950 -.5782 -.2841 -.2681

BETA (4) = .010 ALPHA (3) = 4.120 Q(PSF) = 42.855 P0 = 2116.4 RUN NO = 71.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4891 -.3820 -.4855
 .200 .0123 .0609 .0730
 .410 -.0223 -.0136 -.0184
 .590 -.1557 -.0309 -.0461
 .770 -.3765 -.1219 -.1085
 .950 -.5348 -.2495 -.2375

DATE 27 APR 77 OA163B PRESSURE DATA LISTING (RFPN08)

NOSE GEAR DOOR OUTER SURFACE

BETA (4) = .010 ALPHA (4) = 6.200 Q(PSF) = 42.855 PO = 2116.4 RUN NO = 71.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4413	-.3136	-.4100
.200	.0453	.0399	.1116
.410	.0115	.0212	.0224
.590	-.1833	-.0076	.0020
.770	-.4000	-.0775	-.0342
.950	-.4739	-.2076	-.1992

BETA (5) = 1.000 ALPHA (1) = .000 Q(PSF) = 42.827 PO = 2116.5 RUN NO = 72.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6746	-.5397	-.6686
.200	-.0630	-.0255	-.0293
.410	-.1184	-.1039	-.1208
.590	-.2278	-.1424	-.1424
.770	-.4269	-.2093	-.1952
.950	-.6234	-.3278	-.3062

BETA (5) = 1.000 ALPHA (2) = 2.060 Q(PSF) = 42.827 PO = 2116.5 RUN NO = 72.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6171	-.4771	-.5930
.200	-.0378	.0092	.0152
.410	-.0673	-.0592	-.0740
.590	-.2478	-.1066	-.0993
.770	-.4593	-.1715	-.1583
.950	-.5821	-.2937	-.2755

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR OUTER SURFACE (RFPN08)

BETA (5) = 1.000 ALPHA (3) = 4.140 Q(PSF) = 42.827 PO = 2116.5 RUN NO = 72.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5625 -.4193 -.5192
 .200 -.0124 -.0405 -.0549
 .410 -.0569 -.0329 -.0305
 .590 -.2905 -.0636 -.0557
 .770 -.4682 -.1352 -.1145
 .950 -.5312 -.2568 -.2423

BETA (5) = 1.000 ALPHA (4) = 6.200 Q(PSF) = 42.827 PO = 2116.5 RUN NO = 72.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4821 -.3548 -.4473
 .200 .0176 .0656 .0944
 .410 -.0340 .0031 .0043
 .590 -.3295 -.0280 -.0100
 .770 -.4532 -.0941 -.0311
 .950 -.4929 -.2190 -.2058

BETA (6) = 1.990 ALPHA (1) = .000 Q(PSF) = 42.890 PO = 2116.5 RUN NO = 73.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6101 -.5753 -.6930
 .200 -.0916 -.0400 -.0435
 .410 -.1528 -.1216 -.1300
 .590 -.3389 -.1576 -.1504
 .770 -.5271 -.2236 -.2046
 .950 -.6305 -.3389 -.3161

DATE 27 APR 77 OA1638 PRESSURE DATA LISTING

OA1638 NOSE GEAR DOOF OUTER SURFACE (RFPN08)

BETA (6) = 1.990 ALPHA (2) = 2.070 Q(PSF) = 42.890 PO = 2116.5 RUN NO = 73.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6542 -.5157 -.6193
 .200 -.0654 -.0076 .0032
 .410 -.1376 -.0871 -.0859
 .590 -.3833 -.1172 -.1099
 .770 -.5328 -.1858 -.1670
 .950 -.5868 -.3074 -.2833

BETA (6) = 1.990 ALPHA (3) = 4.130 Q(PSF) = 42.890 PO = 2116.5 RUN NO = 73.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5963 -.4521 -.5506
 .200 -.0376 .0200 .0404
 .410 -.1241 -.0520 -.0508
 .590 -.4101 -.0809 -.0352
 .770 -.5055 -.1517 -.1254
 .950 -.5554 -.2743 -.2515

BETA (6) = 1.990 ALPHA (4) = 6.200 Q(PSF) = 42.890 PO = 2116.5 RUN NO = 73.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5346 -.3987 -.4624
 .200 -.0124 .0489 .0766
 .410 -.1279 -.0172 -.0160
 .590 -.4155 -.0401 -.0208
 .770 -.4952 -.1135 -.0913
 .950 -.5274 -.2422 -.2109

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFPN08)

OAI638 NOSE GEAR ODOF OUTER SURFACE

BETA (7) = 5.010 ALPHA (1) = .030 Q(PSF) = 42.820 PO = 2116.5 RUN NO = 74.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.8233 -.6996 -.7693
 .200 -.1962 -.1049 -.0981
 .410 -.4233 -.1818 -.1758
 .590 -.6071 -.2094 -.1806
 .770 -.6563 -.3163 -.2450
 .950 -.6407 -.4869 -.3440

BETA (7) = 5.020 ALPHA (2) = 2.060 Q(PSF) = 42.820 PO = 2116.5 RUN NO = 74.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7846 -.6465 -.7030
 .200 -.1721 -.0712 -.0544
 .410 -.4628 -.1529 -.1445
 .590 -.5685 -.1709 -.1397
 .770 -.6561 -.3030 -.2159
 .950 -.6093 -.4928 -.3162

BETA (7) = 5.020 ALPHA (3) = 4.120 Q(PSF) = 42.820 PO = 2116.5 RUN NO = 74.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7546 -.5989 -.6218
 .200 -.1452 -.0510 -.0233
 .410 -.5398 -.1126 -.1065
 .590 -.5591 -.1367 -.0921
 .770 -.6360 -.2960 -.1795
 .950 -.5868 -.5108 -.2779

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN08)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (7) = 5.010 ALPHA (4) = 6.200 Q(PSF) = 42.820 PO = 2115.5 RUN NO = 74.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640	
X/CNL				
.050	-.6935	-.5437	-.5679	
.200	-.1187	-.0366	-.0076	
.410	-.6017	-.0901	-.0644	
.590	-.5570	-.1006	-.0487	
.770	-.5869	-.3047	-.1371	
.950	-.5643	-.5293	-.2419	

(RFPND9) (27 APR 77)

OA163B PRESSURE DATA LISTING
OA163B NOSE GEAR DOOR OUTER SURFACE

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
ELV-L = .000 ELV-R = .000
PHI-N = 66.000 THETAN = 108.000
PHI-ML = 32.200 THETML = 5.000
PHI-MR = 36.000 THETMR = 5.600

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6200 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0405

RUN NO = 75.000

PO = 2113.0

Q(PSF) = 42.795

ALPHA (1) =

-5.030

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.4304 -.3871 -.4292
.200 .0176 .0212 .0035
.410 -.0448 -.0532 -.0639
.590 -.0676 -.0820 -.1051
.770 -.1143 -.1349 -.1465
.950 -.2826 -.2706 -.2526

RUN NO = 75.000

PO = 2113.0

Q(PSF) = 42.795

ALPHA (2) =

-5.030

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3736 -.3050 -.3688
.200 .0609 .0742 .0670
.410 .0007 .0040 .0317
.590 -.0293 -.0377 -.0532
.770 -.0813 -.0957 -.1015
.950 -.2532 -.2388 -.2219

RUN NO = 75.000

PO = 2113.0

Q(PSF) = 42.795

ALPHA (3) =

-5.040

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3016 -.2341 -.2967
.200 .1007 .1140 .1236
.410 .0441 .0417 .0189
.590 .0116 .0032 -.0028
.770 -.0491 -.0505 -.0582
.950 -.2196 -.2100 -.1919

DATE 27 APR 77

OAI638 PRESSURE DATA LISTING

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OAI638 NOSE GEAR DOOR OUTER SURFACE (RFPN09)

BETA (1) = -5.030 ALPHA (4) = 6.220 Q(PSF) = 42.795 PO = 2113.0 RUN NO = 75.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2097 -.1758 -.2169
 .200 .1435 .1604 .1737
 .410 .0903 .0866 .0733
 .590 .0504 .0443 .0383
 .770 -.0159 -.0209 -.0149
 .950 -.1855 -.1758 -.1576

BETA (2) = -2.010 ALPHA (1) = .000 Q(PSF) = 42.930 PO = 2113.0 RUN NO = 76.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5566 -.4442 -.5805
 .200 -.0051 .0127 -.0039
 .410 -.0650 -.0662 -.0961
 .590 -.1008 -.1044 -.1212
 .770 -.1659 -.1654 -.1669
 .950 -.3377 -.3006 -.2743

BETA (2) = -2.010 ALPHA (2) = 2.080 Q(PSF) = 42.930 PO = 2113.0 RUN NO = 76.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4981 -.3779 -.4897
 .200 .0272 .0536 .0500
 .410 -.0256 -.0280 -.0448
 .590 -.0665 -.0641 -.0725
 .770 -.1446 -.1302 -.1265
 .950 -.3466 -.2721 -.2480

DATE 27 APR 77 OA1638 PRESSURE DATA LISTING

OA1638 NOSE GEAR DOOR OUTER SURFACE (RFPN09)

BETA (2) = -2.010 ALPHA (3) = 4.140 Q(PSF) = 42.930 PO = 2113.0 RUN NO = 76.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4314 -.3122 -.4121
 .200 .0585 .0935 .0995
 .410 .0092 .0116 .0032
 .590 -.0329 -.0256 -.0256
 .770 -.1246 -.0943 -.0853
 .950 -.3712 -.2387 -.2171

BETA (2) = -2.010 ALPHA (4) = 6.200 Q(PSF) = 42.930 PO = 2113.0 RUN NO = 76.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3538 -.2577 -.3406
 .200 .0921 .1270 .1402
 .410 .0440 .0548 .0512
 .590 -.0004 .0164 .0176
 .770 -.1164 -.0381 -.0440
 .950 -.3995 -.1999 -.1891

BETA (3) = -1.020 ALPHA (1) = .000 Q(PSF) = 42.845 PO = 2112.9 RUN NO = 77.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6056 -.4790 -.6092
 .200 -.0221 .0007 -.0076
 .410 -.0799 -.0763 -.1052
 .590 -.1221 -.1161 -.1294
 .770 -.2116 -.1824 -.1783
 .950 -.4790 -.3127 -.2873

DATE 27 APR 77

0A1638 PRESSURE DATA LISTING

(RFPN09)

0A1638 NOSE GEAR DCJR OUTER SURFACE

RUN NO = 77.000

PO = 2112.9

BETA (3) = -1.020 ALPHA (2) = 2.060 Q(PSF) = 42.845

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5456 -.4132 -.5300
 .200 .0080 .0417 .0417
 .410 -.0425 -.0389 -.0545
 .590 -.0918 -.0798 -.0822
 .770 -.2193 -.1484 -.1407
 .950 -.5011 -.2832 -.2604

RUN NO = 77.000

PO = 2112.9

BETA (3) = -1.020 ALPHA (3) = 4.140 Q(PSF) = 42.845

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4701 -.3452 -.4533
 .200 .0380 .0900 .0695
 .410 -.0052 .0019 -.0076
 .590 -.0664 -.0352 -.0352
 .770 -.2360 -.1073 -.1003
 .950 -.5134 -.2443 -.2274

RUN NO = 77.000

PO = 2112.9

BETA (3) = -1.020 ALPHA (4) = 6.210 Q(PSF) = 42.845

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4023 -.2856 -.3782
 .200 .0717 .1078 .1295
 .410 .0284 .0380 .0417
 .590 -.0557 .0007 .0068
 .770 -.2726 -.0714 -.0561
 .950 -.4998 -.2085 -.1965

DATE 27 APR 77 OAI63R PRESSURE DATA LISTING

(RFPN09)

OAI63R NOSE GEAR DCOR OUTER SURFACE

RUN NO = 78.000

PO = 2112.9

Q(PSF) = 42.915

BETA (4) = .000 ALPHA (1) = .000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/BNL	CP
.050	-.6339	-.5043	-.6375
.200	-.0400	-.0112	-.0160
.410	-.0940	-.0892	-.1108
.590	-.1552	-.1300	-.1336
.770	-.3010	-.1936	-.1873
.950	-.5847	-.3196	-.2944

RUN NO = 78.000

PO = 2112.9

Q(PSF) = 42.915

BETA (4) = .000 ALPHA (2) = .000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/BNL	CP
.050	-.5809	-.4388	-.5628
.200	-.0136	.0260	.0297
.410	-.0630	-.0522	-.0642
.590	-.1521	-.0919	-.0865
.770	-.3495	-.1569	-.1479
.950	-.5797	-.2870	-.2665

RUN NO = 78.000

PO = 2112.9

Q(PSF) = 42.915

BETA (4) = .000 ALPHA (3) = .000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/BNL	CP
.050	-.5129	-.3784	-.4877
.200	.0127	.0556	.0740
.410	-.0280	-.0148	-.0172
.590	-.1612	-.0532	-.0460
.770	-.3774	-.1216	-.1062
.950	-.5285	-.2512	-.2355

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN09)

OAI63B NOSE GEAR DOOR OUTER SURFACE

RUN NO = 78.000

PO = 2112.9

BETA (4) = .000 ALPHA (4) = 6.210 Q(PSF) = 42.915
 SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4437 -.3187 -.4173
 .200 -.0428 -.0284 .1113
 .410 .0104 .0236 .0224
 .590 -.1902 -.0124 -.0016
 .770 -.4019 -.0821 -.0651
 .950 -.4689 -.2094 -.1938

BETA (5) = 1.000 ALPHA (1) = -.010 Q(PSF) = 42.792 PO = 2112.9 RUN NO = 79.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6663 -.5367 -.6711
 .200 -.0628 -.0288 -.0280
 .410 -.1168 -.1024 -.1204
 .590 -.2235 -.1444 -.1444
 .770 -.4356 -.2080 -.1835
 .950 -.6231 -.3279 -.3063

BETA (5) = 1.000 ALPHA (2) = 2.070 Q(PSF) = 42.792 PO = 2112.9 RUN NO = 79.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6154 -.4714 -.5936
 .200 -.0355 .0116 .0189
 .410 -.0839 -.0682 -.0718
 .590 -.2437 -.1033 -.0972
 .770 -.4618 -.1687 -.1503
 .950 -.5803 -.2897 -.2728

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR OUTER SURFACE (RFPN09)

BETA (5) = 1.000 ALPHA (3) = 4.120 Q(PSF) = 42.792 P0 = 2112.9 RUN NO = 79.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5610 -.4175 -.5237
 .200 -.0100 .0417 .0550
 .410 -.0606 -.0329 -.0317
 .590 -.2922 -.0667 -.0558
 .770 -.4679 -.1342 -.1168
 .950 -.5321 -.2572 -.2439

BETA (5) = 1.000 ALPHA (4) = 6.190 Q(PSF) = 42.792 P0 = 2112.9 RUN NO = 79.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4903 -.3603 -.4433
 .200 .0152 .0669 .0946
 .410 -.0365 .0007 .0032
 .590 -.3326 -.0292 -.0112
 .770 -.4561 -.0991 -.0793
 .950 -.4963 -.2218 -.2074

BETA (6) = 1.990 ALPHA (1) = .000 Q(PSF) = 42.855 P0 = 2112.9 RUN NO = 80.000

SECTION (1) NOSE LND GR DR-0

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7057 -.5750 -.6950
 .200 -.0903 -.0411 -.0423
 .410 -.1563 -.1191 -.1335
 .590 -.3423 -.1587 -.1503
 .770 -.5258 -.2227 -.2035
 .950 -.6278 -.3367 -.3171

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN09)

OAI63B NOSE GEAR DOOR OUTER SURFACE

RUN NO = 80.000

P0 = 2112.9

Q(PSF) = 42.855

BETA (6) = 1.990 ALPHA (2) = 2.060

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6544	-.5159	-.6207
.200	-.0642	-.0083	-.0004
.410	-.1365	-.0959	-.0871
.590	-.3858	-.1203	-.1083
.770	-.5279	-.1838	-.1676
.950	-.5893	-.3051	-.2822

BETA (6) = 1.990 ALPHA (3) = 1.120 Q(PSF) = 42.855 P0 = 2112.9 RUN NO = 80.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5943	-.4545	-.5465
.200	-.0377	.0188	.0117
.410	-.1305	-.0546	-.0485
.590	-.4208	-.0787	-.0542
.770	-.5119	-.1521	-.1277
.950	-.5545	-.2738	-.2509

BETA (6) = 1.990 ALPHA (4) = 6.210 Q(PSF) = 42.855 P0 = 2112.9 RUN NO = 80.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-0

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5398	-.4001	-.4639
.200	-.0088	.0489	.0778
.410	-.1304	-.0184	-.0160
.590	-.4158	-.0389	-.0220
.770	-.4996	-.1148	-.0904
.950	-.5266	-.2448	-.2111

DATE 27 APR 77 0A163B PRESSURE DATA LISTING 0A163B NOSE GEAR DOJR OUTER SURFACE (RFPN) RUN NO = 81.000

BETA (7) = 5.020 ALPHA (1) = .000 Q(PSF) = 42.877 PO = 2113.0 RUN NO = 81.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.8139 -.6919 -.7708
 .200 -.1966 -.1044 -.0913
 .410 -.4287 -.1822 -.1762
 .590 -.6045 -.2085 -.1798
 .770 -.6546 -.3150 -.2460
 .950 -.6392 -.4861 -.3413

BETA (7) = 5.020 ALPHA (2) = 2.060 Q(PSF) = 42.877 PO = 2113.0 RUN NO = 81.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7854 -.6457 -.6999
 .200 -.1725 -.0714 -.0533
 .410 -.4639 -.1509 -.1424
 .590 -.5735 -.1713 -.1400
 .770 -.6527 -.3026 -.2143
 .950 -.6144 -.4904 -.3122

BETA (7) = 5.020 ALPHA (3) = 4.130 Q(PSF) = 42.877 PO = 2113.0 RUN NO = 81.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7516 -.6031 -.6308
 .200 -.1465 -.0463 -.0245
 .410 -.5415 -.1115 -.1066
 .590 -.5608 -.1356 -.0970
 .770 -.6274 -.2987 -.1776
 .950 -.5910 -.5101 -.2818

(RFPND9)

OA1638 NOSE GEAR DOJR OUTER SURFACE

BETA (7) = 5.020 ALPHA (4) = 6.200 Q(PSF) = 42.877 P0 = 2113.0 RUN NO = 81.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.7037	-.5438	-.5619
.200	-.1254	-.0388	-.0112
.410	-.5895	-.0773	-.0641
.590	-.5426	-.0978	-.0485
.770	-.6035	-.2961	-.1315
.950	-.5474	-.5294	-.2456

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFPN10) (27 APR 77)

OAI638 NOSE GEAR DOOR OUTER SURFACE

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 26.000 THETMR = 4.000

BETA (1) = -5.030 ALPHA (1) = .000 Q(PSF) = 42.882 PO = 2112.3 RUN NO = 83.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640
 X/CNL
 .050 -.4333 -.3852 -.4309
 .200 .0152 .0212 .0058
 .410 -.0461 -.0521 -.0893
 .590 -.0689 -.0821 -.1074
 .770 -.1114 -.1338 -.1436
 .950 -.2842 -.2733 -.2529

BETA (1) = -5.040 ALPHA (2) = 2.080 Q(PSF) = 42.882 PO = 2112.3 RUN NO = 83.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640
 X/CNL
 .050 -.3796 -.3074 -.3688
 .200 .0609 .0694 .0658
 .410 -.0016 -.0040 -.0353
 .590 -.0305 -.0389 -.0594
 .770 -.0793 -.0978 -.0984
 .950 -.2532 -.2423 -.2207

BETA (1) = -5.040 ALPHA (3) = 4.160 Q(PSF) = 42.882 PO = 2112.3 RUN NO = 83.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640
 X/CNL
 .050 -.3075 -.2388 -.3003
 .200 .0995 .1176 .1248
 .410 .0453 .0405 .0188
 .590 .0104 .0004 -.0100
 .770 -.0491 -.0618 -.0571
 .950 -.2220 -.2111 -.1931

DATE 27 APR 77

OA1638 PRESSURE DATA LISTING

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OA1638 NOSE GEAR DOOR OUTER SURFACE (RFPN10)

BETA (1) = -5.040 ALPHA (4) = 6.210 Q(PSF) = 42.882 PO = 2112.3 RUN NO = 83.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.2090	-.1778
.200	-.1422	.1566
.410	.0871	.0835
.590	.0487	.0415
.770	-.0127	-.0231
.950	-.1650	-.1766

BETA (2) = -2.020 ALPHA (1) = .000 Q(PSF) = 42.933 PO = 2112.3 RUN NO = 84.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.5568	-.4476
.200	-.0064	.0127
.410	-.0651	-.0615
.590	-.0999	-.1047
.770	-.1603	-.1646
.950	-.3373	-.3013

BETA (2) = -2.020 ALPHA (2) = 2.070 Q(PSF) = 42.933 PO = 2112.3 RUN NO = 84.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4952	-.3789
.200	.0239	.0511
.410	-.0291	-.0291
.590	-.0551	-.0674
.770	-.1431	-.1321
.950	-.3430	-.2711

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR OUTER SURFACE (RFPN10)

BETA (2) = -2.010 ALPHA (3) = 4.120 Q(PSF) = 42.933 P0 = 2112.3 RUN NO = 84.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4283 -.3162 -.4114
 .200 .0598 .0936 .1008
 .410 .0104 .0140 .0032
 .590 -.0329 -.0245 -.0257
 .770 -.1238 -.0932 -.0854
 .950 -.3656 -.2366 -.2197

BETA (2) = -2.010 ALPHA (4) = 6.200 Q(PSF) = 42.933 P0 = 2112.3 RUN NO = 84.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3499 -.2538 -.3403
 .200 .0908 .1257 .1413
 .410 .0476 .0524 .0500
 .590 -.0004 .0140 .0176
 .770 -.1143 -.0568 -.0439
 .950 -.3932 -.1998 -.1854

BETA (3) = -.990 ALPHA (1) = .000 Q(PSF) = 42.877 P0 = 2112.3 RUN NO = 85.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6011 -.4774 -.6083
 .200 -.0220 .0019 -.0098
 .410 -.0797 -.0761 -.1037
 .590 -.1181 -.1169 -.1301
 .770 -.2119 -.1806 -.1767
 .950 -.4690 -.3152 -.2851

OA1638 NOSE GEAR DOOR OUTER SURFACE (RFPN10)

BETA (3) = -.990 ALPHA (2) = 2.070 Q(PSF) = 42.877 PO = 2112.3 RUN NO = 85.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5392 -.4069 -.5272
 .200 .0080 .0428 .0440
 .410 -.0437 -.0425 -.0533
 .590 -.0942 -.0785 -.0809
 .770 -.2141 -.1447 -.1346
 .950 -.5068 -.2794 -.2554

BETA (3) = -.990 ALPHA (3) = 4.130 Q(PSF) = 42.877 PO = 2112.3 RUN NO = 85.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4770 -.3494 -.4662
 .200 .0357 .0766 .0850
 .410 -.0076 -.0004 -.0088
 .590 -.0666 -.0401 -.0353
 .770 -.2364 -.1099 -.1004
 .950 -.5107 -.2471 -.2279

BETA (3) = -1.000 ALPHA (4) = 6.220 Q(PSF) = 42.877 PO = 2112.3 RUN NO = 85.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3936 -.2866 -.3940
 .200 .0657 .1078 .1270
 .410 .0260 .0356 .0368
 .590 -.0593 -.0004 .0080
 .770 -.2644 -.0701 -.0561
 .950 -.4982 -.2072 -.1740

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR OUTER SURFACE (RFPN10)

BETA (4) = -.010 ALPHA (1) = .000 Q(PSF) = 42.892 PO = 2112.3 RUN NO = 86.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6352 -.5053 -.6773
 .200 -.0388 -.0136 -.181
 .410 -.0965 -.0905 -.1154
 .590 -.1591 -.1314 -.1338
 .770 -.3066 -.1963 -.1869
 .950 -.5859 -.3214 -.2961

BETA (4) = -.010 ALPHA (2) = 2.060 Q(PSF) = 42.892 PO = 2112.3 RUN NO = 86.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5586 -.4383 -.5534
 .200 -.0196 .0248 .0272
 .410 -.0701 -.0533 -.0653
 .590 -.1544 -.0906 -.0918
 .770 -.3410 -.1555 -.1477
 .950 -.5826 -.2795 -.2662

BETA (4) = -.010 ALPHA (3) = 4.120 Q(PSF) = 42.892 PO = 2112.3 RUN NO = 86.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5177 -.3833 -.4877
 .200 .0139 .0596 .0692
 .410 -.0280 -.0160 -.0172
 .590 -.1636 -.0544 -.0494
 .770 -.3734 -.1204 -.1052
 .950 -.5249 -.2300 -.2355

DATE 27 APR 77

0A1F3B PRESSURE DATA LISTING

(RFPN10)

0A163B NOSE GEAR DOOR OUTER SURFACE

RUN NO = 85.000

PO = 2112.3

Q(PSF) = 42.881

BETA (4) = -.010 ALPHA (4) =

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4456	-.3216
.200	.0429	.0874
.410	.0044	.0212
.590	-.1977	-.0136
.770	-.4015	-.0822
.950	-.4732	-.2097

BETA (5) = .990 ALPHA (1) = .000 Q(PSF) = 42.88" PO = 2112.3 RUN NO = 87.000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6738	-.5391
.200	-.0653	-.0268
.410	-.1194	-.1350
.590	-.2313	-.1459
.770	-.4375	-.2108
.950	-.6257	-.3299

BETA (5) = .990 ALPHA (2) = 2.060 Q(PSF) = 42.88" PO = 2112.3 RUN NO = 87.000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6148	-.4741
.200	-.0376	.0104
.410	-.0881	-.0689
.590	-.2553	-.1074
.770	-.4606	-.1711
.950	-.5799	-.2913

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPN:0)

NOSE GEAR 100R OUTER SURFACE

BETA (5) = .990 ALPHA (3) = 4.120 Q(PSF) = 42.88" PO = 2112.3 RUN NO = 87.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5521 -.4160 -.5244
 .200 -.0124 -.0405 -.0550
 .410 -.0606 -.0365 -.0329
 .590 -.2919 -.0666 -.0582
 .770 -.4665 -.1341 -.1156
 .950 -.5304 -.2558 -.2425

BETA (5) = .990 ALPHA (4) = 6.190 Q(PSF) = 42.88" PO = 2112.3 RUN NO = 87.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4899 -.3639 -.4431
 .200 .0163 .0643 .0943
 .410 -.0364 .0007 .0007
 .590 -.3303 -.0280 -.0100
 .770 -.4505 -.0975 -.0790
 .950 -.4947 -.2223 -.2079

BETA (6) = 1.990 ALPHA (1) = .000 Q(PSF) = 42.84" PO = 2112.3 RUN NO = 88.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7119 -.5775 -.6975
 .200 -.0903 -.0412 -.0424
 .410 -.1575 -.1215 -.1335
 .590 -.3363 -.1587 -.1539
 .770 -.5239 -.2247 -.2046
 .950 -.6267 -.3423 -.3171

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

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OA163B NOSE GEAR DOOR OUTER SURFACE (RFPN10)

BETA (6) = 1.990 ALPHA (2) = 2.070 Q(PSF) = 42.340 PO = 2112.3 RUN NO = 88.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6593 -.5205 -.6267
 .200 -.0667 -.0100 -.0016
 .410 -.1391 -.0897 -.0885
 .590 -.3853 -.1210 -.1102
 .770 -.5310 -.1874 -.1653
 .950 -.5941 -.3105 -.2876

BETA (6) = 1.990 ALPHA (3) = 4.120 Q(PSF) = 42.340 PO = 2112.3 RUN NO = 88.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5957 -.4583 -.5511
 .200 -.0389 -.0164 -.0381
 .410 -.1245 -.0558 -.0510
 .590 -.4185 -.0787 -.0642
 .770 -.5171 -.1510 -.1298
 .950 -.5547 -.2751 -.2510

BETA (6) = 1.990 ALPHA (4) = 6.220 Q(PSF) = 42.340 PO = 2112.3 RUN NO = 88.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5442 -.4022 -.4648
 .200 -.0112 -.0477 -.0753
 .410 -.1255 -.0196 -.0184
 .590 -.4179 -.0437 -.0208
 .770 -.5002 -.1159 -.0893
 .950 -.5298 -.2494 -.2145

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR OUTER SURFACE (RFPN10)

BETA (7) = 5.020 ALPHA (1) = .000 Q(PSF) = 42.755 PO = 2112.3 RUN NO = 89.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.8250 -.6998 -.7672
 .200 -.1978 -.1027 -.0906
 .410 -.4301 -.1785 -.1773
 .590 -.6095 -.2098 -.1833
 .770 -.6515 -.3194 -.2455
 .950 -.6420 -.4891 -.3458

BETA (7) = 5.020 ALPHA (2) = 2.060 Q(PSF) = 42.755 PO = 2112.3 RUN NO = 89.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7834 -.6506 -.6965
 .200 -.1729 -.0776 -.0534
 .410 -.4757 -.1524 -.1463
 .590 -.5770 -.1729 -.1403
 .770 -.6621 -.3044 -.2107
 .950 -.6241 -.4926 -.3177

BETA (7) = 5.020 ALPHA (3) = 4.120 Q(PSF) = 42.755 PO = 2112.3 RUN NO = 89.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7574 -.6057 -.6272
 .200 -.1462 -.0582 -.0269
 .410 -.5380 -.1209 -.1076
 .590 -.5573 -.1356 -.0944
 .770 -.6353 -.3029 -.1762
 .950 -.5886 -.5066 -.2788

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

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OA163B NOSE GEAR DOOR OUTER SURFACE (RFPN10)

BETA (7) = 5.020 ALPHA (4) = 6.200 Q(PSF) = 42.755 PO = 2112.3 RUN NO = 89.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE : P

Y/BNL .0920 .3280 .5640

X/CNL			
.050	-.6894	-.5528	-.5649
.200	-.1188	-.0390	-.0088
.410	-.5963	-.0814	-.0656
.590	-.5637	-.1043	-.0523
.770	-.5976	-.3062	-.1373
.950	-.5697	-.5310	-.2494

DATE 27 APR 77

(RFPN11) (27 APR 77)

0A1638 PRESSURE DATA LISTING

0A1638

NOSE GEAR DOOR OUTER SURFACE

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
ELV-L = .000 ELV-R = .000
PHI-N = 66.000 THETAN = 108.000
PHI-ML = 88.000 THETML = 98.000
PHI-MR = 32.200 THETMR = 5.000

RUN NO = 90.000

PO = 2113.1

Q(PSF) = 42.830

DEPENDENT VARIABLE CP

BETA (1) = -5.030 ALPHA (1) = .000

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.4336 -.3796 -.4288
.200 .0163 .0211 .0079
.410 -.0460 -.0520 -.0868
.590 -.0676 -.0844 -.1060
.770 -.1112 -.1348 -.1423
.950 -.2812 -.2740 -.2524

BETA (1) = -5.030 ALPHA (2) = 2.050

Q(PSF) = 42.830

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3786 -.3051 -.3762
.200 .0598 .0730 .0646
.410 .0607 -.0016 -.0353
.590 -.0281 -.0413 -.0594
.770 -.0803 -.0979 -.1045
.950 -.2521 -.2413 -.2232

BETA (1) = -5.030 ALPHA (3) = 4.130

Q(PSF) = 42.830

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.2995 -.2344 -.2935
.200 .1021 .1190 .1238
.410 .0466 .0418 .0213
.590 .0104 .0032 -.0112
.770 -.0502 -.0595 -.0572
.950 -.2223 -.2102 -.1934

RUN NO = 90.000

PO = 2113.1

RUN NO = 90.000

PO = 2113.1

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPN11)

OAI63B NOSE GEAR DOOR OUTER SURFACE

BETA (1) = -5.030 ALPHA (4) = 6.190 Q(PSF) = 42.430 PO = 2113.1 RUN NO = 90.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2100 -.1775 -.2149
 .200 .1441 .1598 .1742
 .410 .0887 .0853 .0755
 .590 .0514 .0453 .0381
 .770 -.0168 -.0221 -.0148
 .950 -.1847 -.1727 -.1606

BETA (2) = -2.010 ALPHA (1) = .000 Q(PSF) = 42.447 PO = 2113.0 RUN NO = 91.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5583 -.4431 -.5775
 .200 -.0052 .0139 -.0040
 .410 -.0639 -.0639 -.0863
 .590 -.0987 -.1035 -.1203
 .770 -.1674 -.1659 -.1654
 .950 -.3387 -.3003 -.2751

BETA (2) = -2.010 ALPHA (2) = 2.060 Q(PSF) = 42.447 PO = 2113.0 RUN NO = 91.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4948 -.3790 -.4924
 .200 .0273 .0539 .0526
 .410 -.0269 -.0257 -.0450
 .590 -.0687 -.0655 -.0727
 .770 -.1440 -.1318 -.1259
 .950 -.3356 -.2705 -.2488

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPN11)

OA163B NOSE GEAR DOOR OUTER SURFACE

BETA (2) = -2.010 ALPHA (3) = 4.100 Q(PSF) = 42.1147 PO = 2113.0 RUN NO = 91.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4290 -.3146 -.4098
 .200 .0585 .0347 .1019
 .410 .0104 .0128 .0044
 .590 -.0329 -.0244 -.0269
 .770 -.1247 -.0943 -.0874
 .950 -.3516 -.2376 -.2195

BETA (2) = -2.030 ALPHA (4) = 6.170 Q(PSF) = 42.1147 PO = 2113.0 RUN NO = 91.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3495 -.2532 -.3363
 .200 .0935 .1272 .1416
 .410 .0477 .0537 .0501
 .590 -.0028 .0152 .0164
 .770 -.1156 -.0582 -.0450
 .950 -.4013 -.2039 -.1862

BETA (3) = -1.000 ALPHA (1) = -.020 Q(PSF) = 42.540 PO = 2113.0 RUN NO = 92.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5940 -.4712 -.6036
 .200 -.0206 .0019 -.0087
 .410 -.0766 -.0755 -.1017
 .590 -.1196 -.1148 -.1291
 .770 -.2112 -.1780 -.1763
 .950 -.4629 -.3115 -.2817

DATE 27 APR 77 OA1639 PRESSURE DATA LISTING

(RFPN11)

NOSE GEAR DOOR OUTER SURFACE

BETA (3) = -1.010 ALPHA (2) = 2.030 Q(PSF) = 42.540 PO = 2113.0 RUN NO = 92.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5419 -.4095 -.5263
.200 .0092 .0393 .0441
.410 -.0425 -.0401 -.0545
.590 -.0942 -.0785 -.0798
.770 -.2193 -.1460 -.1397
.950 -.4974 -.2796 -.2591

BETA (3) = -1.010 ALPHA (3) = 4.110 Q(PSF) = 42.540 PO = 2113.0 RUN NO = 92.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4697 -.3433 -.4528
.200 .0368 .0778 .0850
.410 -.0076 -.0016 -.0052
.590 -.0702 -.0377 -.0377
.770 -.2364 -.1087 -.0974
.950 -.5154 -.2422 -.2242

BETA (3) = -1.010 ALPHA (4) = 6.170 Q(PSF) = 42.540 PO = 2113.0 RUN NO = 92.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4051 -.2859 -.3847
.200 .0682 .1080 .1272
.410 .0272 .0405 .0393
.590 -.0654 .0007 .0056
.770 -.2699 -.0690 -.0562
.950 -.4979 -.2076 -.1955

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFPN11)

OAI638 NOSE GEAR DOOR OUTER SURFACE

BETA (4) = .010 ALPHA (1) = -.030 Q(PSF) = 42.855 PO = 2113.0 RUN NO = 93.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6358 -.5037 -.6370
 .200 -.0400 -.0112 -.0184
 .410 -.0953 -.0903 -.1109
 .590 -.1601 -.1313 -.1361
 .770 -.3144 -.1962 -.1857
 .950 -.5878 -.3211 -.2959

BETA (4) = .010 ALPHA (2) = 2.030 Q(PSF) = 42.855 PO = 2113.0 RUN NO = 93.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5733 -.4397 -.5625
 .200 -.0148 .0260 .0284
 .410 -.0617 -.0533 -.0642
 .590 -.1495 -.0930 -.0906
 .770 -.3442 -.1592 -.1478
 .950 -.5805 -.2844 -.2652

BETA (4) = .010 ALPHA (3) = 4.100 Q(PSF) = 42.855 PO = 2113.0 RUN NO = 93.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5104 -.3769 -.4888
 .200 .0128 .0585 .0717
 .410 -.0304 -.0172 -.0172
 .590 -.1616 -.0533 -.0473
 .770 -.3803 -.1219 -.1084
 .950 -.5285 -.2494 -.2349

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPN11)

OA163B NOSE GEAR DOOR OUTER SURFACE

BETA (4) = .010 ALPHA (4) = 5.170 Q(PSF) = 42.855 P0 = 2113.0 RUN NO = 93.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4427 -.3233 -.4198
 .200 .0417 .0887 .1116
 .410 .0068 .0212 .0224
 .590 -.1968 -.0124 -.0004
 .770 -.4032 -.0823 -.0642
 .950 -.4716 -.2089 -.1992

BETA (5) = 1.010 ALPHA (1) = -.030 Q(PSF) = 42.927 P0 = 2113.1 RUN NO = 94.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6694 -.5378 -.6670
 .200 -.0638 -.0255 -.0279
 .410 -.1188 -.1033 -.1200
 .590 -.2278 -.1452 -.1452
 .770 -.4284 -.2098 -.1970
 .950 -.6215 -.3283 -.3044

BETA (5) = 1.010 ALPHA (2) = 2.060 Q(PSF) = 42.927 P0 = 2113.1 RUN NO = 94.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6157 -.4727 -.5868
 .200 -.0364 -.0116 -.0164
 .410 -.0893 -.0701 -.0725
 .590 -.2539 -.1061 -.1001
 .770 -.4624 -.1698 -.1546
 .950 -.5760 -.2912 -.2756

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING (RFPN11)

OAI63B NOSE GEAR DOOR OUTER SURFACE RUN NO = 94.000

BETA (5) = 1.010 ALPHA (3) = 4.100 Q(PSF) = 42.927 PO = 2113.1

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5568 -.4198 -.5231
 .200 -.0112 .0392 .0536
 .410 -.0604 -.0316 -.0304
 .590 -.2936 -.0665 -.0556
 .770 -.4704 -.1338 -.1144
 .950 -.5303 -.2551 -.2431

BETA (5) = 1.010 ALPHA (4) = 6.190 Q(PSF) = 42.927 PO = 2113.1 RUN NO = 94.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4833 -.3557 -.4448
 .200 .0152 .0670 .0935
 .410 -.0413 .0007 .0032
 .590 -.3340 -.0281 -.0124
 .770 -.4563 -.0967 -.0793
 .950 -.4966 -.2184 -.2075

BETA (6) = 1.990 ALPHA (1) = .000 Q(PSF) = 42.897 PO = 2113.0 RUN NO = 95.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7052 -.5774 -.6969
 .200 -.0923 -.0398 -.0422
 .410 -.1593 -.1186 -.1330
 .590 -.3552 -.1581 -.1545
 .770 -.5246 -.2238 -.2057
 .950 -.6288 -.3420 -.3170

OAI63B NOSE GEAR DOOR OUTER SURFACE (RFPN11)

BETA (6) = 1.990 ALPHA (2) = 2.030 Q(PSF) = 42.897 PO = 2113.0 RUN NO = 95.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6491	-.5143	-.6262
.200	-.0666	-.0076	.0032
.410	-.1376	-.0870	-.0858
.590	-.3819	-.1207	-.1087
.770	-.5245	-.1869	-.1669
.950	-.5889	-.3073	-.2820

BETA (6) = 2.000 ALPHA (3) = 4.110 Q(PSF) = 42.897 PO = 2113.0 RUN NO = 95.000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5969	-.4523	-.5475
.200	-.0365	.0200	.0417
.410	-.1305	-.0522	-.0462
.590	-.4101	-.0799	-.0654
.770	-.5101	-.1510	-.1298
.950	-.5536	-.2764	-.2510

BETA (6) = 2.000 ALPHA (4) = 6.180 Q(PSF) = 42.897 PO = 2113.0 RUN NO = 95.000

SECTION (1) NOSE LND GR DR-O

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5413	-.3991	-.4618
.200	-.0124	.0489	.0791
.410	-.1329	-.0196	-.0172
.590	-.4196	-.0389	-.0184
.770	-.4968	-.1100	-.0894
.950	-.5329	-.2449	-.2124

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR OUTER SURFACE (RFPN11)

BETA (7) = 5.040 ALPHA (1) = -.020 Q(PSF) = 42.875 PO = 2113.1 RUN NO = 96.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.8231 -.6999 -.7740
 .200 -.1977 -.1044 -.0948
 .410 -.4392 -.1833 -.1773
 .590 -.6114 -.2108 -.1845
 .770 -.6572 -.3155 -.2469
 .950 -.6413 -.4316 -.3459

BETA (7) = 5.030 ALPHA (2) = 2.050 Q(PSF) = 42.875 PO = 2113.1 RUN NO = 96.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7880 -.6461 -.5978
 .200 -.1711 -.0737 -.0557
 .410 -.4790 -.1495 -.1423
 .590 -.5752 -.1711 -.1389
 .770 -.6539 -.3058 -.2151
 .950 -.6137 -.4994 -.3142

BETA (7) = 5.030 ALPHA (3) = 4.100 Q(PSF) = 42.875 PO = 2113.1 RUN NO = 96.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.7548 -.5991 -.6232
 .200 -.1464 -.0458 -.0281
 .410 -.5447 -.1187 -.1066
 .590 -.5641 -.1368 -.0909
 .770 -.6372 -.3033 -.1795
 .950 -.5906 -.5170 -.2768

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

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(RFPN11)

NOSE GEAR DOOR OUTER SURFACE

OA163B

RUN NO = 96.000

PO = 2113.1

Q(PSF) = 42.875

ALPHA (4) = 6.190

BETA (7) = 5.030

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-O

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6863	-.5452	-.5845
.200	-.1173	-.0377	-.0100
.410	-.5983	-.0775	-.0630
.590	-.5573	-.1016	-.0450
.770	-.5919	-.3090	-.1369
.950	-.5561	-.5344	-.2439

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(REFN12) (27 APR 77)

OAI638 NOSE GEAR DOOR OUTER SURFACE

PARAMETRIC DATA

SPOBRK = 25.000 BOFLAP = .000
ELV-L = 5.000 ELV-R = 5.000
PHI-N = 30.800 THETAN = 5.000
PHI-ML = 32.200 THETML = 5.000
PHI-MR = 32.200 THETMR = 5.000

RUN NO = 50.000

PO = 2115.1

ALPHA (1) = 4.180 BETA (1) = -5.050 Q(PSF) = 42.851

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3719 -.3707 -.4225
.200 .0296 .0513 .0549
.410 -.0437 -.0352 -.0509
.590 -.0701 -.0629 -.0641
.770 -.0812 -.0930 -.0933
.950 -.1555 -.1435 -.1242

ALPHA (1) = 4.170 BETA (2) = -4.020 Q(PSF) = 42.851 RUN NO = 50.000

PO = 2115.1

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3950 -.3576 -.4445
.200 .0345 .0339 .0623
.410 -.0402 -.0317 -.0498
.590 -.0643 -.0595 -.0643
.770 -.0805 -.0865 -.0906
.950 -.1536 -.1428 -.1198

ALPHA (1) = 4.180 BETA (3) = -2.970 Q(PSF) = 42.851 RUN NO = 50.000

PO = 2115.1

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.4333 -.3602 -.4669
.200 .0343 .0535 .0631
.410 -.0411 -.0315 -.0519
.590 -.0663 -.0603 -.0651
.770 -.0780 -.0879 -.0900
.950 -.1527 -.1383 -.1179

DATE 27 APR 77

OAI63B PRESSURE DATA LISTING

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ALPHA (1) = 4.170 BETA (4) = -2.040 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000
 SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE CP (RFPN) 2)

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4810 -.3750 -.4834
 .200 .0309 .0550 .0682
 .410 -.0389 -.0329 -.0522
 .590 -.0654 -.0618 -.0666
 .770 -.0824 -.0907 -.0874
 .950 -.1534 -.1389 -.1100

ALPHA (1) = 4.180 BETA (5) = -1.040 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-0

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5152 -.3889 -.4899
 .200 .0200 .0465 .0597
 .410 -.0437 -.0389 -.0557
 .590 -.0713 -.0665 -.0677
 .770 -.0873 -.0942 -.0833
 .950 -.1579 -.1411 -.1098

ALPHA (1) = 4.170 BETA (6) = -.020 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-0

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5567 -.4146 -.5073
 .200 .0056 .0429 .0453
 .410 -.0497 -.0449 -.0570
 .590 -.0762 -.0714 -.0666
 .770 -.0985 -.0979 -.0884
 .950 -.1665 -.1461 -.1135

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

OA163B NOSE GEAR DOOR OUTER SURFACE (RFPN12)

ALPHA (1) = 4.170 BETA (7) = .970 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5965 -.4363 -.4990
 .200 -.0028 -.0309 -.0345
 .410 -.0582 -.0529 -.0618
 .590 -.0859 -.0774 -.0714
 .770 -.1025 -.1039 -.0934
 .950 -.1738 -.1521 -.1172

ALPHA (1) = 4.170 BETA (8) = 1.970 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6412 -.4620 -.4957
 .200 -.0268 -.0212 -.0224
 .410 -.0689 -.0617 -.0677
 .590 -.0977 -.0821 -.0809
 .770 -.1154 -.1098 -.0983
 .950 -.1831 -.1543 -.1146

ALPHA (1) = 4.170 BETA (9) = 2.990 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6727 -.4881 -.4785
 .200 -.0495 -.0043 -.0031
 .410 -.0795 -.0651 -.0735
 .590 -.1178 -.0914 -.0878
 .770 -.1451 -.1178 -.0970
 .950 -.2221 -.1562 -.1118

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

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(RFPN12)

OA163B NOSE CEAR DOOR OUTER SURFACE

ALPHA (1) = 4.170 BETA (10) = 4.050 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6948	-.5115
.200	-.0727	-.0209
.410	-.0896	-.0739
.590	-.1631	-.0956
.770	-.1975	-.1221
.950	-.2608	-.1523

ALPHA (1) = 4.170 BETA (11) = 5.000 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.7108	-.5395
.200	-.0944	-.0474
.410	-.1174	-.0872
.590	-.2513	-.1053
.770	-.2450	-.1234
.950	-.2754	-.1451

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

(RFPN13) (27 APR 77)

NOSE GEAR DOOR OUTER SURFACE

OA163B

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YC
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 36.000 THETMR = 5.600

ALPHA (1) = 4.120 BETA (1) = -5.030 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3047 -.2361 -.2999
 .200 .1018 .1150 .1222
 .410 .0453 .0404 .0200
 .590 .0104 .0019 -.0112
 .770 -.0490 -.0605 -.0571
 .950 -.2205 -.2097 -.1940

ALPHA (1) = 4.120 BETA (2) = -4.040 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3475 -.2622 -.3391
 .200 .0908 .1113 .1185
 .410 .0392 .0344 .0128
 .590 .0019 -.0064 -.0148
 .770 -.0630 -.0688 -.0650
 .950 -.2262 -.2226 -.2058

ALPHA (1) = 4.120 BETA (3) = -2.950 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3898 -.2912 -.3766
 .200 .0777 .1053 .1101
 .410 .0236 .0224 .0116
 .590 -.0160 -.0148 -.0196
 .770 -.0832 -.0797 -.0772
 .950 -.2480 -.2335 -.2143

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING (RFPN13)
 OAI63B NOSE GEAR DOOR OUTER SURFACE RUN NO = 82.000

ALPHA (1) = 4.120 BETA (4) = -2.010 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000
 SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4339 -.3150 -.4099
 .200 .0595 .0920 .1004
 .410 .0067 .0103 .0007
 .590 -.0340 -.0255 -.0292
 .770 -.1273 -.0984 -.0861
 .950 -.3590 -.2405 -.2201

ALPHA (1) = 4.120 BETA (5) = -1.020 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000
 SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4712 -.3447 -.4555
 .200 .0345 .0778 .0886
 .410 -.0088 -.0052 -.0064
 .590 -.0714 -.0239 -.0355
 .770 -.2375 -.1075 -.0894
 .950 -.5145 -.2435 -.2279

ALPHA (1) = 4.120 BETA (6) = .000 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000
 SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5103 -.3810 -.4853
 .200 .0127 .0592 .0702
 .410 -.0267 .0159 .0183
 .590 -.1607 .0530 .0494
 .770 -.3524 .1201 .1079
 .950 -.5258 .2481 .2374

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR OUTER SURFACE (RFPN13)

ALPHA (1) = 4.120 BETA (7) = 1.020 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5592 -.4183 -.5194
.200 -.0136 -.0405 -.0561
.410 -.0534 -.0341 -.0329
.590 -.2954 -.0702 -.0582
.770 -.4664 -.1365 -.1156
.950 -.5327 -.2581 -.2460

ALPHA (1) = 4.120 BETA (8) = 2.000 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5955 -.4546 -.5485
.200 -.0389 -.0152 -.0405
.410 -.1269 -.0534 -.0498
.590 -.4136 -.0799 -.0666
.770 -.5099 -.1510 -.1277
.950 -.5582 -.2775 -.2522

ALPHA (1) = 4.120 BETA (9) = 2.990 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-O DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.6426 -.5022 -.5706
.200 -.0724 -.0016 -.0187
.410 -.2308 -.0748 -.0712
.590 -.4805 -.0940 -.0748
.770 -.5573 -.1804 -.1444
.950 -.5790 -.3209 -.2597

(RFPN13)

0A163B NOSE GEAR DOOR OUTER SURFACE

ALPHA (1) = 4.120 BETA (10) = 4.070 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7062 -.5487 -.5920
 .200 -.1050 -.0232 .0007
 .410 -.3767 -.0942 -.0917
 .590 -.5042 -.1134 -.0845
 .770 -.6146 -.2232 -.1567
 .950 -.5824 -.4020 -.2697

ALPHA (1) = 4.120 BETA (11) = 5.030 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-0 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.7520 -.6007 -.6320
 .200 -.1481 -.0532 -.0280
 .410 -.5251 -.1144 -.1072
 .590 -.5587 -.1360 -.0964
 .770 -.6368 -.2993 -.1786
 .950 -.5899 -.5095 -.2813

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

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(RFPE01) (27 APR 77)

NOSE GEAR DOOR INNER SURFACE

OA163B

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

BETA (1) = -5.040 ALPHA (1) = -2.060 Q(PSF) = 42.911 PO = 2119.2 RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6619 -1.1764 -.1871
 .200 -.2088 -.2341
 .410 -.2185 -.2145 -.2269
 .590 -.2389 -.2281 -.2257
 .770 -.2377
 .950 -.2594 -.2510 -.2377

BETA (1) = -4.040 ALPHA (2) = .010 Q(PSF) = 42.911 PO = 2119.2 RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6121 -1.0320 -.1403
 .200 -.1536 -.1546
 .410 -.1838 -.1906 -.1994
 .590 -.2007 -.1862 -.1826
 .770 -.2055
 .950 -.2236 -.2031 -.2019

BETA (1) = -5.050 ALPHA (3) = 2.070 Q(PSF) = 42.911 PO = 2119.2 RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5226 -.9249 -.0928
 .200 -.1096 -.1492
 .410 -.1360 -.1333 -.1492
 .590 -.1624 -.1468 -.1444
 .770 -.1552
 .950 -.1877 -.1672 -.1612

0A163B NOSE SEAR DOOR INNER SURFACE (RFPE01)

BETA (1) = -5.060 ALPHA (4) = 6.210 Q(PSF) = 42.911 P0 = 2119.2 RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3705 -.6756 -.0028
 .200 -.0040 -.0498
 .410 -.0353 -.0310 -.0522
 .590 -.0727 -.0522 -.0510
 .770 -.0655
 .950 -.1004 -.0606 -.0522

BETA (1) = -5.060 ALPHA (5) = 8.280 Q(PSF) = 42.911 P0 = 2119.2 RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2878 -.5584 .0452
 .200 .0537 .0044
 .410 .0152 .0183 -.0040
 .590 -.0160 .0031 .0068
 .770 -.0100
 .950 -.0557 -.0172 .0031

BETA (1) = -5.950 ALPHA (6) = 10.330 Q(PSF) = 42.911 P0 = 2119.2 RUN NO = 1.0000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2166 -.4412 .0987
 .200 .1083 .0569
 .410 .0700 .0752 .0521
 .590 .0378 .0629 .0664
 .770 .0426
 .950 -.0111 .0270 .0402

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

OA163B NOSE SEAR DOOR INNER SURFACE (RPED01)

BETA (2) = -4.040 ALPHA (1) = -2.050 Q(PSF) = +2.777 PO = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6721 -1.1591 -.1839
 .200 -.1983 -.2343
 .410 -.2259 -.2236 -.2295
 .590 -.2331 -.2235 -.2211
 .770 -.2415
 .950 -.2559 -.2475 -.2391

BETA (2) = -4.040 ALPHA (2) = .010 Q(PSF) = +2.777 PO = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5982 -1.0188 -.1366
 .200 -.1498 -.1932
 .410 -.1787 -.1853 -.1956
 .590 -.2004 -.1848 -.1812
 .770 -.2004
 .950 -.2173 -.2028 -.2004

BETA (2) = -4.040 ALPHA (3) = 2.070 Q(PSF) = +2.777 PO = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5246 -.8966 -.0970
 .200 -.1018 -.1489
 .410 -.1332 -.1362 -.1526
 .590 -.1622 -.1441 -.1429
 .770 -.1610
 .950 -.1791 -.1550 -.1489

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE01)

OAI63B NOSE SEAR DOOR INNER SURFACE

BETA (2) = -4.040 ALPHA (4) = 4.130 Q(PSF) = +2.777 P0 = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4458 -.7692 -.0511
 .200 -.0462 -.0993
 .410 -.0788 -.0775 -.1030
 .590 -.1162 -.1054 -.1018
 .770 -.1162
 .950 -.1355 -.1005 -.0909

BETA (2) = -4.040 ALPHA (5) = 6.180 Q(PSF) = +2.777 P0 = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3693 -.6453 -.0028
 .200 .0152 -.0486
 .410 -.0233 -.0239 -.0450
 .590 -.0643 -.0522 -.0558
 .770 -.0618
 .950 -.0932 -.0546 -.0438

BETA (2) = -4.040 ALPHA (6) = 8.270 Q(PSF) = +2.777 P0 = 2119.2 RUN NO = 2.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2841 -.5388 .0466
 .200 .0684 .0092
 .410 .0333 .0275 .0032
 .590 -.0076 .0044 .0044
 .770 -.0052
 .950 -.0511 -.0076 .0007

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPE01)

NOSE 3EAR DOOR INNER SURFACE

BETA (3) = -2.960 ALPHA (1) = -2.070 Q(PSF) = +2.885 PO = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6705 -1.1029 -.1736
 .200 -.1903 -.2345
 .410 -.2261 -.2357
 .590 -.2357 -.2273 -.2249
 .770 -.2452
 .950 -.2500 -.2393 -.2369

BETA (3) = -2.960 ALPHA (2) = .000 Q(PSF) = +2.885 PO = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5993 -.9842 -.1435
 .200 -.1363 -.1988
 .410 -.1820 -.1889 -.1976
 .590 -.1952 -.1880 -.1844
 .770 -.2060
 .950 -.2108 -.1952 -.1916

BETA (3) = -2.960 ALPHA (3) = 2.050 Q(PSF) = +2.885 PO = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5269 -.8638 -.0970
 .200 -.0813 -.1537
 .410 -.1332 -.1402 -.1525
 .590 -.1598 -.1513 -.1537
 .770 -.1634
 .950 -.1730 -.1513 -.1416

0A163B NOSE REAR DOOR INNER SURFACE (RFPED1)

BETA (3) = -2.960 ALPHA (4) = 4.130 Q(PSF) = 12.885 PO = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4438 -.7378 -.0474
 .200 -.0220 -.1040
 .410 -.0787 -.0304 -.0919
 .590 -.1088 -.1040 -.1076
 .770 -.1100
 .950 -.1305 -.1028 -.0931

BETA (3) = -2.960 ALPHA (5) = 6.190 Q(PSF) = 12.885 PO = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3718 -.6288 -.0016
 .200 .0309 -.0534
 .410 -.0245 -.0280 -.0462
 .590 -.0643 -.0534 -.0534
 .770 -.0583
 .950 -.0932 -.0558 -.0402

BETA (3) = -2.960 ALPHA (6) = 8.270 Q(PSF) = 12.885 PO = 2119.2 RUN NO = 3.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2927 -.5108 .0535
 .200 .0930 .0055
 .410 .0355 .0363 .0139
 .590 -.0004 .0055 .0043
 .770 .0028
 .950 -.0459 -.0087 .0043

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

OA163B NOSE 3EAR DOOR INNER SURFACE (RFPE01)

BETA (4) = -2.010 ALPHA (1) = -2.080 Q(PSF) = 42.825 PO = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6612 -1.0001 -.1686
 .200 -.1650 -.2335
 .410 -.2166 -.2250 -.2227
 .590 -.2275 -.2215 -.2190
 .770 -.2395
 .950 -.2407 -.2335 -.2166

BETA (4) = -2.010 ALPHA (2) = -.010 Q(PSF) = 42.825 PO = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5978 -.9332 -.1374
 .200 -.1194 -.2011
 .410 -.1831 -.1878 -.1939
 .590 -.1891 -.1975 -.1951
 .770 -.2059
 .950 -.2083 -.1927 -.1855

BETA (4) = -2.010 ALPHA (3) = 2.050 Q(PSF) = 42.825 PO = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5145 -.8204 -.0943
 .200 -.0606 -.1509
 .410 -.1280 -.1367 -.1436
 .590 -.1497 -.1473 -.1533
 .770 -.1569
 .950 -.1641 -.1424 -.1400

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFPE01)

OAI638 NOSE GEAR DOOR INNER SURFACE

BETA (4) = -2.020 ALPHA (4) = 4.140 Q(PSF) = 42.825 PO = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4396 -.7075 -.0462
 .200 .0007 -.1017
 .410 -.0752 -.0795 -.0969
 .590 -.1005 -.1017 -.1078
 .770 -.1053
 .950 -.1210 -.0969 -.0884

BETA (4) = -2.020 ALPHA (5) = 6.220 Q(PSF) = 42.825 PO = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3735 -.5969 .0080
 .200 .0539 -.0438
 .410 -.0209 -.0239 -.0402
 .590 -.0499 -.0475 -.0547
 .770 -.0547
 .950 -.0813 -.0487 -.0402

BETA (4) = -2.020 ALPHA (6) = 8.280 Q(PSF) = 42.825 PO = 2114.9 RUN NO = 4.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2939 -.4852 .0573
 .200 .0394 .0152
 .410 .0360 .0334 .0164
 .590 .0032 .0032 .0019
 .770 -.0016
 .950 -.0369 -.0052 .0019

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE01)

BETA (5) = -1.020 ALPHA (1) = -2.060 Q(PSF) = 42.920 PO = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6588 -.9940 -.1620
 .200 -.1548 -.2398
 .410 -.2206 -.2332 -.2362
 .590 -.2254 -.2350 -.2374
 .770 -.2434
 .950 -.2458 -.2350 -.2338

BETA (5) = -1.020 ALPHA (2) = .010 Q(PSF) = 42.920 PO = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5784 -.8891 -.1268
 .200 -.0943 -.2003
 .410 -.1750 -.1851 -.1918
 .590 -.1846 -.1942 -.1966
 .770 -.2027
 .950 -.2051 -.1882 -.1870

BETA (5) = -1.020 ALPHA (3) = 2.070 Q(PSF) = 42.920 PO = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5075 -.7870 -.0955
 .200 -.0389 -.1509
 .410 -.1220 -.1308 -.1449
 .590 -.1413 -.1449 -.1534
 .770 -.1558
 .950 -.1630 -.1789 -.1365

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR INNER SURFACE (RPFE01)

BETA (5) = -1.020 ALPHA (4) = 4.130 Q(PSF) = 42.920 P0 = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	.0920	-.4408
.200	.0920	-.6819
.410	.0920	-.0484
.590	.0920	-.0163
.770	.0920	-.0790
.950	.0920	-.0676
	.3280	-.0952
	.3280	-.0892
	.3280	-.1024
	.3280	-.1036
	.3280	-.1036
	.5640	-.1156
	.5640	-.0928
	.5640	-.0844

BETA (5) = -1.030 ALPHA (5) = 6.180 Q(PSF) = 42.920 P0 = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	.0920	-.3736
.200	.0920	-.5759
.410	.0920	-.0597
.590	.0920	-.0136
.770	.0920	-.0239
.950	.0920	-.0389
	.3280	-.0389
	.3280	-.0425
	.3280	-.0521
	.3280	-.0521
	.5640	-.0774
	.5640	-.0509
	.5640	-.0425

BETA (5) = -1.030 ALPHA (6) = 8.260 Q(PSF) = 42.920 P0 = 2115.0 RUN NO = 5.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	.0920	-.2963
.200	.0920	-.4533
.410	.0920	-.0956
.590	.0920	-.0427
.770	.0920	-.0323
.950	.0920	-.0151
	.3280	-.0079
	.3280	-.0079
	.3280	-.0139
	.3280	-.0079
	.3280	-.0007
	.5640	-.0028
	.5640	-.0019
	.5640	-.0019

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BETA (6) = .000 ALPHA (1) = -2.050 Q(PSF) = 43.418 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.6400 -.9407 -.1591
.200 -.1304 -.2274 -.2354
.410 -.2104 -.2274 -.2319
.590 -.2187 -.2295 -.2342
.770 -.2354
.950 -.2366 -.2259 -.2259

BETA (6) = .000 ALPHA (2) = .000 Q(PSF) = 43.418 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5770 -.8510 -.1255
.200 -.0826 -.2005
.410 -.1672 -.1852 -.1946
.590 -.1791 -.1910 -.1981
.770 -.2005
.950 -.2041 -.1838 -.1862

BETA (6) = .000 ALPHA (3) = 2.060 Q(PSF) = 43.418 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5047 -.7497 -.0967
.200 -.0265 -.1467
.410 -.1086 -.1261 -.1431
.590 -.1312 -.1407 -.1490
.770 -.1538
.950 -.1574 -.1336 -.1348

(RFPE01)

OA163B NOS: GEAR DOOR INNER SURFACE

BETA (6) = .000 ALPHA (4) = 3.110 Q(PSF) = 43.418 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4380	-.6372	-.0502
.200	.0162		-.0940
.410	-.0561	-.0731	-.0881
.590	-.0774	-.0917	-.0964
.770		-.1000	
.950	-.1047	-.0846	-.0822

BETA (6) = .000 ALPHA (5) = 6.200 Q(PSF) = 43.418 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3673	-.5247	-.0027
.200	.0493		-.0430
.410	-.0039	-.0225	-.0359
.590	-.0264	-.0282	-.0465
.770		-.0535	
.950	-.0631	-.0394	-.0323

BETA (6) = .000 ALPHA (6) = 8.280 Q(PSF) = 43.418 PO = 2113.6 RUN NO = 6.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2923	-.4117	.0291
.200	.0788		-.0027
.410	.0480	.0329	.0244
.590	.0232	.0126	.0066
.770		.0007	
.950	-.0169	.0090	.0161

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OA1638 NOSE GEAR DOOR INNER SURFACE (RFE01)

BETA (7) = 1.000 ALPHA (1) = -2.060 Q(PSF) = 43.823 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6328	-.8972	-.1443
.200	-.1148	-.2375	-.2375
.410	-.2069	-.2219	-.2305
.590	-.2104	-.2246	-.2316
.770	-.2316	-.2316	-.2316
.950	-.2340	-.2128	-.2175

BETA (7) = 1.000 ALPHA (2) = .000 Q(PSF) = 43.823 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5602	-.7853	-.1217
.200	-.0758	-.1983	-.1983
.410	-.1642	-.1832	-.1960
.590	-.1736	-.1795	-.1960
.770	-.1854	-.1854	-.1854
.950	-.1866	-.1583	-.1689

BETA (7) = 1.000 ALPHA (3) = 2.060 Q(PSF) = 43.823 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4995	-.7031	-.0792
.200	-.0380	-.1498	-.1498
.410	-.1051	-.1278	-.1451
.590	-.1228	-.1369	-.1463
.770	-.1510	-.1510	-.1510
.950	-.1404	-.1101	-.1334

(RFPED01)

NOSE GEAR DOOR INNER SURFACE

OA1638

RUN NO = 7.0000

PO = 2113.6

Q(PSF) = 43.823

ALPHA (4) = 1.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4331 -.5684 -.0297
 .200 -.0074 -.0909
 .410 -.0603 -.0794 -.0850
 .590 -.0780 -.0897 -.0874
 .770 -.1097
 .950 -.0897 -.0744 -.0756

BETA (7) = 1.000 ALPHA (5) = 6.190 Q(PSF) = 43.823 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3517 -.4774 -.0062
 .200 .0266 -.0544
 .410 -.0144 -.0272 -.0403
 .590 -.0297 -.0358 -.0473
 .770 -.0532
 .950 -.0450 -.0168 -.0262

BETA (7) = 1.000 ALPHA (6) = 8.260 Q(PSF) = 43.823 PO = 2113.6 RUN NO = 7.0000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2820 -.3935 .0359
 .200 .0782 -.0039
 .410 .0348 .0257 .0113
 .590 .0195 .0160 .0066
 .770 -.0039
 .950 .0089 .0359 .0254

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OA1638 NOISE GEAR DOOR INNER SURFACE (RFPE01)

BETA (8) = 1.980 ALPHA (1) = -2.070 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6238	-.8453	-.1398
.200	-.1070		-.2312
.410	-.1949	-.2223	-.2289
.590	-.2054	-.2183	-.2289
.770		-.2324	
.950	-.2253	-.1996	-.2019

BETA (8) = 1.980 ALPHA (2) = -.010 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5796	-.7883	-.1090
.200	-.0860		-.1983
.410	-.1584	-.1865	-.1946
.590	-.1729	-.1838	-.1922
.770		-.2007	
.950	-.1886	-.1596	-.1669

BETA (8) = 1.980 ALPHA (3) = 2.060 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5041	-.6724	-.0761
.200	-.0593		-.1554
.410	-.1146	-.1355	-.1530
.590	-.1302	-.1386	-.1506
.770		-.1615	
.950	-.1362	-.1950	-.1170

DATE 27 APR 77 OAI3B PRESSURE DATA LISTING

(RFPED1)

OAI63B NOISE GEAR DOOR INNER SURFACE

BETA (8) = 1.980 ALPHA (4) = 4.120 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOISE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4287 -.5598 -.0461
 .200 -.0160 -.1050
 .410 -.0677 -.0873 -.0990
 .590 -.0846 -.0832 -.1002
 .770 -.1123
 .950 -.0834 -.0497 -.0653

BETA (8) = 1.980 ALPHA (5) = 6.180 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOISE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3563 -.4830 -.0088
 .200 .0333 -.0571
 .410 -.0197 -.0310 -.0450
 .590 -.0329 -.0354 -.0462
 .770 -.0631
 .950 -.0329 .0056 -.0148

BETA (8) = 1.980 ALPHA (6) = 8.280 Q(PSF) = 43.017 PO = 2113.6 RUN NO = 8.0000

SECTION (1) NOISE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2781 -.4008 .0573
 .200 .0897 .0044
 .410 .0248 .0083 -.0016
 .590 .0224 .0212 .0104
 .770 -.0208
 .950 .0068 .0597 .0500

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(RFPE01)

OAI638 NOISE GEAR DOOR INNER SURFACE

BETA (9) = 2.990 ALPHA (1) = -2.060 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOISE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/BNL
.050	-.6319	-.8448
.200	-.1255	-.2349
.410	-.1904	-.2252
.590	-.2024	-.2168
.770	-.2409	-.2277
.950	-.2277	-.1964

BETA (9) = 2.990 ALPHA (2) = .000 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOISE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/BNL
.050	-.5625	-.7286
.200	-.1027	-.1978
.410	-.1544	-.1841
.590	-.1641	-.1725
.770	-.2038	-.1460
.950	-.1857	-.1472

BETA (9) = 2.990 ALPHA (3) = 2.080 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOISE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/BNL
.050	-.4960	-.6287
.200	-.0607	-.1511
.410	-.1161	-.1390
.590	-.1198	-.1294
.770	-.1644	-.1427
.950	-.1403	-.0968

BETA (9) = 2.990 ALPHA (4) = 4.120 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000 (RFPE01)

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4172 -.5521 -.0413
 .200 -.0089 -.1028
 .410 -.0702 -.0894 -.1064
 .590 -.0775 -.0799 -.0967
 .770 -.1196
 .950 -.0907 -.0449 -.0473

BETA (9) = 2.990 ALPHA (5) = 6.200 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3459 -.4691 .0032
 .200 .0406 -.0499
 .410 -.0221 -.0351 -.0559
 .590 -.0233 -.0281 -.0402
 .770 -.0716
 .950 -.0390 .0104 .0032

BETA (9) = 2.980 ALPHA (6) = 8.260 Q(PSF) = 42.788 PO = 2113.6 RUN NO = 9.0000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2741 -.3838 .0478
 .200 .0876 .0007
 .410 .0261 .0133 -.0016
 .590 .0249 .0297 .0152
 .770 -.0269
 .950 .0128 .0731 .0562

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(RFE01)

OAI63B N(SE GEAR DOOR INNER SURFACE

BETA (10) = 4.050 ALPHA (1) = -2.050 Q(PSF) = 42.907 P0 = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.6173	-.7755	-.1333
.200	-.1357	-.2304	
.410	-.1894	-.2213	-.2316
.590	-.1992	-.2040	-.2208
.770	-.2507		
.950	-.2208	-.1690	-.1789

BETA (10) = 4.040 ALPHA (2) = .000 Q(PSF) = 42.907 P0 = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.5518	-.6876	-.1181
.200	-.1001		-.1938
.410	-.1517	-.1787	-.1974
.590	-.1613	-.1686	-.1842
.770	-.2166		
.950	-.1830	-.1421	-.1397

BETA (10) = 4.040 ALPHA (3) = 2.050 Q(PSF) = 42.907 P0 = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4858	-.6192	-.0833
.200	-.0556		-.1470
.410	-.1097	-.1304	-.1530
.590	-.1157	-.1229	-.1398
.770	-.1770		
.950	-.1422	-.0953	-.0929

(RFPED1)

OA163B N(SE GEAR DOOR INNER SURFACE

BETA (10) = 4.050 ALPHA (4) = 4.110 Q(PSF) = 42.907 P0 = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4128 -.5331 -.0461
 .200 -.0076 -.1002
 .410 -.0653 -.0632 -.1026
 .590 -.0701 -.0869
 .770 -.1338
 .950 -.0930 -.0461 -.0412

BETA (10) = 4.050 ALPHA (5) = 6.210 Q(PSF) = 42.907 P0 = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3440 -.4501 .0056
 .200 .0417 -.0486
 .410 -.0160 -.0300 -.0558
 .590 -.0172 -.0172 -.0305
 .770 -.0236
 .950 -.0399 .0104 .0092

BETA (10) = 4.050 ALPHA (6) = 8.280 Q(PSF) = 42.907 P0 = 2113.7 RUN NO = 10.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2731 -.3716 .0548
 .200 .0836 .0043
 .410 .0344 .0213 -.0040
 .590 .0344 .0428 .0296
 .770 -.0412
 .950 .0104 .0776 .0508

0A163B NOSE GEAR DOOR INNER SURFACE (RFPE01)

BETA (11) = 5.010 ALPHA (1) = -2.070 Q(PSF) = 42.887 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6077 -.1352 -.1423
 .200 -.1302 -.2289
 .410 -.1855 -.2131 -.2337
 .590 -.2000 -.2012 -.2180
 .770 -.2673
 .950 -.2216 -.1858 -.1747

BETA (11) = 5.010 ALPHA (2) = .010 Q(PSF) = 42.887 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5435 -.6638 -.1205
 .200 -.0917 -.1866
 .410 -.1434 -.1697 -.1951
 .590 -.1614 -.1614 -.1734
 .770 -.2323
 .950 -.1854 -.1398 -.1326

BETA (11) = 5.010 ALPHA (3) = 2.050 Q(PSF) = 42.887 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4781 -.5837 -.0904
 .200 -.0532 -.1480
 .410 -.1048 -.1323 -.1528
 .590 -.1264 -.1155 -.1268
 .770 -.1936
 .950 -.1552 -.1052 -.0658

(RFPE01)

NOSE GEAR DOOR INNER SURFACE

0A163B

BETA (11) = 5.010 ALPHA (4) = 4.130 Q(PSF) = 42.897 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5540

X/CNL

.050 -.4119 -.5081 -.0449
 .200 -.0078 -.0578 -.0578
 .410 -.0545 -.0782 -.1052
 .590 -.0701 -.0591 -.0725
 .770 -.1532
 .950 -.0978 -.0473 -.0413

BETA (11) = 5.010 ALPHA (5) = 6.180 Q(PSF) = 42.897 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5540

X/CNL

.050 -.3494 -.4409 .0044
 .200 .0320 -.0451
 .410 -.0088 -.0269 -.0505
 .590 -.0164 -.0052 -.0164
 .770 -.1111
 .950 -.0485 .0053 .0164

BETA (11) = 5.010 ALPHA (6) = 8.250 Q(PSF) = 42.897 PO = 2113.6 RUN NO = 11.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5540

X/CNL

.050 -.2890 -.3708 .0573
 .200 .0777 .0031
 .410 .0525 .0314 -.0038
 .590 .0363 .0573 .0537
 .770 -.0701
 .950 -.0232 .0525 .0753

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NOSE GEAR DOOR INNER SURFACE

(RFPE02) (27 APR 77)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. X0
 LREF = 1/4.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0405

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 36.000 THETML = 5.600
 PHI-MR = 36.000 THETMR = 5.600

BETA (1) = -5.050 ALPHA (1) = -2.070 Q(PSF) = 42.822 P0 = 2113.6 RUN NO = 12.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6576 -1.1715 -.1881
 .200 -.2062 -.2351
 .410 -.2182 -.2102 -.2267
 .590 -.2351 -.2291 -.2254
 .770 -.2375 -.2375
 .950 -.2567 -.2507 -.2363

BETA (1) = -5.050 ALPHA (2) = -.010 Q(PSF) = 42.822 P0 = 2113.6 RUN NO = 12.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5895 -1.0440 -.1434
 .200 -.4416 -.1915
 .410 -.1603 .3887 -.1891
 .590 -.1795 -.1867 -.1855
 .770 -.1975 -.1975
 .950 -.1975 -.2132 -.1987

BETA (1) = -5.050 ALPHA (3) = 2.060 Q(PSF) = 42.822 P0 = 2113.6 RUN NO = 12.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5210 -.9329 -.0994
 .200 -.1127 -.1477
 .410 -.1332 -.1301 -.1514
 .590 -.1658 -.1465 -.1417
 .770 -.1562
 .950 -.1864 -.1634 -.1586

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DATE 27 APR 77 OA163B PFESSURE DATA LISTING

OA163B NOSE GEAR DOOR INNER SURFACE (RFPE02)

BETA (1) = -5.050 ALPHA (4) = 4.120 Q(PSF) = 42.822 PO = 2113.6 RUN NO = 12.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4477 -.7974 -.0606
 .200 -.0558 -.0992
 .410 -.0836 -.0804 -.1016
 .590 -.1173 -.0992 -.0968
 .770 -.1149
 .950 -.1414 -.1113 -.1016

BETA (1) = -5.050 ALPHA (5) = 6.220 Q(PSF) = 42.822 PO = 2113.6 RUN NO = 12.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3702 -.6801 -.0064
 .200 -.0016 -.0520
 .410 -.0376 -.0319 -.0520
 .590 -.0724 -.0532 -.0520
 .770 -.0664
 .950 -.0988 -.0616 -.0496

BETA (1) = -5.050 ALPHA (6) = 8.270 Q(PSF) = 42.822 PO = 2113.6 RUN NO = 12.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2907 -.5570 .0405
 .200 .0550 .0068
 .410 .0152 .0224 .0044
 .590 -.0148 .0056 .0020
 .770 -.0100
 .950 -.0546 -.0136 -.0004

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR INNER SURFACE (RFPE02)

BETA (2) = -4.040 ALPHA (1) = -2.030 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6716 -1.1576 -.1820
 .200 -.1976 -.2313
 .410 -.2277 -.2242 -.2289
 .590 -.2337 -.2229 -.2205
 .770 -.2398
 .950 -.2554 -.2470 -.2361

BETA (2) = -4.040 ALPHA (2) = .020 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5942 -1.0209 -.1398
 .200 -.1494 -.1927
 .410 -.1795 -.1868 -.1939
 .590 -.1975 -.1795 -.1795
 .770 -.1999
 .950 -.2191 -.2047 -.1987

BETA (2) = -4.040 ALPHA (3) = 2.060 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5253 -.8973 -.1015
 .200 -.1027 -.1472
 .410 -.1340 -.1408 -.1557
 .590 -.1629 -.1460 -.1436
 .770 -.1593
 .950 -.1761 -.1557 -.1509

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE02)

BETA (2) = -4.040 ALPHA (4) = 4.140 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4417 -.7663 -.0533
 .200 -.0436 -.0990
 .410 -.0761 -.0802 -.0990
 .590 -.1170 -.1062 -.1111
 .770 -.1085
 .950 -.1338 -.1038 -.0942

BETA (2) = -4.040 ALPHA (5) = 6.220 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3661 -.6537 -.0028
 .200 .0164 -.0509
 .410 -.0268 -.0269 -.0437
 .590 -.0577 -.0521 -.0509
 .770 -.0629
 .950 -.0918 -.0557 -.0497

BETA (2) = -4.050 ALPHA (6) = 8.270 Q(PSF) = 42.870 PO = 2113.6 RUN NO = 13.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2901 -.5427 .0440
 .200 .0693 .0092
 .410 .0296 .0244 .0092
 .590 -.0100 .0055 .0044
 .770 -.0028
 .950 -.0509 -.0076 .0056

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE02)

BETA (3) = -2.970 ALPHA (1) = -2.060 Q(PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6758 -1.1269 -.1777
 .200 -.1885 -.2380
 .410 -.2271 -.2319 -.2331
 .590 -.2368 -.2247 -.2247
 .770 -.2464
 .950 -.2524 -.2404 -.2380

BETA (3) = -2.970 ALPHA (2) = .010 Q(PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5939 -.9904 -.1457
 .200 -.1349 -.1950
 .410 -.1806 -.1918 -.1974
 .590 -.1950 -.1854 -.1806
 .770 -.2058
 .950 -.2106 -.1926 -.1914

BETA (3) = -2.970 ALPHA (3) = 2.070 Q(PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5208 -.8545 -.1016
 .200 -.0811 -.1509
 .410 -.1281 -.1338 -.1461
 .590 -.1521 -.1521 -.1485
 .770 -.1558
 .950 -.1714 -.1449 -.1401

DATE 27 APR 77

OA1638 PRESSURE DATA LISTING

OA1638 NOSE GEAR DOOR INNER SURFACE (RFPE02)

RUN NO = 14.000

PO = 2113.6

Q(PSF) = 42.832

BETA (3) = -2.970 ALPHA (4) = 4.130

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0320 .3280 .5640

X/CNL
 .050 -.4387 -.7385 -.0509
 .200 -.0244 -.1015
 .410 -.0762 -.0813 -.0955
 .590 -.1075 -.1039 -.1015
 .770 -.1075
 .950 -.1268 -.0991 -.0871

BETA (3) = -2.970 ALPHA (5) = 6.200 Q(PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3627 -.6299 -.0016
 .200 .0369 -.0473
 .410 -.0196 -.0229 -.0389
 .590 -.0533 -.0497 -.0533
 .770 -.0545
 .950 -.0882 -.0497 -.0425

BETA (3) = -2.970 ALPHA (6) = 8.280 Q(PSF) = 42.832 PO = 2113.6 RUN NO = 14.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2904 -.5130 .0477
 .200 .0886 .0116
 .410 .0356 .0345 .0128
 .590 -.0028 .0044 .0044
 .770 .0007
 .950 -.0449 -.006 .0068

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR INNER SURFACE (RFE02)

BETA (4) = -2.040 ALPHA (1) = -2.060 Q(PSF) = 42.852 P0 = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6622 -1.0592 -.1736
 .200 -.1712 -.2350
 .410 -.2218 -.2323 -.2314
 .590 -.2290 -.2302 -.2266
 .770 -.2434
 .950 -.2446 -.2338 -.2314

BETA (4) = -2.030 ALPHA (2) = .010 Q(PSF) = 42.852 P0 = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5838 -.9407 -.1426
 .200 -.1161 -.2017
 .410 -.1752 -.1843 -.1908
 .590 -.1884 -.1932 -.1920
 .770 -.2017
 .950 -.2065 -.1872 -.1860

BETA (4) = -2.040 ALPHA (3) = 2.080 Q(PSF) = 42.852 P0 = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5196 -.8341 -.1016
 .200 -.0570 -.1534
 .410 -.1305 -.1409 -.1473
 .590 -.1546 -.1534
 .770 -.1570
 .950 -.1678 -.1425 -.1401

DATE 27 APR 77

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0A163B NOSE GEAR DOOR INNER SURFACE (RFPE02)

BETA (4) = -2.040 ALPHA (4) = 4.120 Q(PSF) = 42.852 PO = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4382 -.7141 -.0507
 .200 -.0004 -.1011
 .410 -.0735 -.0830 -.0939
 .590 -.1023 -.1011 -.1083
 .770 -.1047
 .950 -.1227 -.0951 -.0903

BETA (4) = -2.040 ALPHA (5) = 6.200 Q(PSF) = 42.852 PO = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3648 -.6041 .0007
 .200 .0525 -.0412
 .410 -.0160 -.0249 -.0388
 .590 -.0473 -.0497 -.0545
 .770 -.0533
 .950 -.0785 -.0485 -.0437

BETA (4) = -2.040 ALPHA (6) = 8.230 Q(PSF) = 42.852 PO = 2113.6 RUN NO = 15.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2894 -.4870 .0562
 .200 .1031 .0164
 .410 .0417 .0375 .0164
 .590 .0080 .0116 .0032
 .770 .0019
 .950 -.0341 -.0004 .0044

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR INNER SURFACE (RFPE02)

BETA (5) = -1.030 ALPHA (1) = -2.040 Q(PSF) = 42.897 PO = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6526 -.9968 -.1682
 .200 -.1526 -.2378
 .410 -.2198 -.2315 -.2342
 .590 -.2270 -.2318 -.2366
 .770 -.2426
 .950 -.2462 -.2318 -.2342

BETA (5) = -1.040 ALPHA (2) = .020 Q(PSF) = 42.897 PO = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5841 -.8947 -.1340
 .200 -.1003 -.2014
 .410 -.1749 -.1851 -.1942
 .590 -.1845 -.1917 -.1956
 .770 -.1990
 .950 -.2086 -.1893 -.1881

BETA (5) = -1.040 ALPHA (3) = 2.060 Q(PSF) = 42.897 PO = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5090 -.8043 -.0992
 .200 -.0389 -.1534
 .410 -.1173 -.1308 -.1462
 .590 -.1390 -.1486 -.1546
 .770 -.1546
 .950 -.1595 -.1390 -.1390

(RFPE02)

OA163B NOSE GEAR DOOR INNER SURFACE

BETA (5) = -1.030 ALPHA (4) = 4.120 Q(PSF) = 42.897 PO = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4388	-.6887	-.0532
.200	-.0176	-.0953	
.410	-.0652	-.0751	-.0905
.590	-.0844	-.0953	-.1001
.770		-.1049	
.950	-.1145	-.0953	-.0893

BETA (5) = -1.040 ALPHA (5) = 6.200 Q(PSF) = 42.897 PO = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3680	-.5740	-.0040
.200	-.0574	-.0413	
.410	-.0112	-.0259	-.0413
.590	-.0437	-.0437	-.0522
.770		-.0498	
.950	-.0727	-.0437	-.0401

BETA (5) = -1.040 ALPHA (6) = 8.270 Q(PSF) = 42.897 PO = 2113.7 RUN NO = 16.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/RNL .0920 .3280 .5640

X/CNL

.050	-.2963	-.4593	.0487
.200	-.0966	.0079	
.410	.0415	.0303	.0139
.590	.0127	.0079	.0019
.770		.0019	
.950	-.0279	-.0004	.0055

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OAI638 NOSE GEAR DOOF INNER SURFACE (RFPE02)

BETA (6) = .000 ALPHA (1) = -2.060 Q(PSF) = 42.860 PO = 2113.7 RUN NO = 17.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6453 -.9606 -.1670
 .200 -.1370 -.2365
 .410 -.2161 -.2325 -.2329
 .590 -.2233 -.2329 -.2365
 .770 -.2401 -.2401
 .950 -.2401 -.2293 -.2281

BETA (6) = -.010 ALPHA (2) = .020 Q(PSF) = 42.860 PO = 2113.7 RUN NO = 17.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5759 -.8558 -.1313
 .200 -.0821 -.2010
 .410 -.1662 -.1807 -.1938
 .590 -.1758 -.1890 -.1962
 .770 -.2010
 .950 -.2034 -.1842 -.1878

BETA (6) = -.010 ALPHA (3) = 2.060 Q(PSF) = 42.860 PO = 2113.7 RUN NO = 17.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5139 -.7658 -.1040
 .200 -.0269 -.1534
 .410 -.1113 -.1298 -.1462
 .590 -.1293 -.1474 -.1522
 .770 -.1547
 .950 -.1595 -.1378 -.1390

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0A163B PRESSURE DATA LISTING

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0A163B NOSE GEAR DOOR: INNER SURFACE (RFPEOL)

BETA (6) = -.010 ALPHA (4) = 4.140 Q(PSF) = 42.860 PO = 2113.7 RUN NO = 17.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4525 -.6665 -.0550
 .200 .0140 -.1007
 .410 -.0584 -.0776 -.0947
 .590 -.0801 -.0971 -.1007
 .770 -.1067
 .950 -.1104 -.0874 -.0874

BETA (6) = -.010 ALPHA (5) = 6.200 Q(PSF) = 42.860 PO = 2113.7 RUN NO = 17.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3642 -.5335 -.0064
 .200 .0476 -.0484
 .410 -.0016 -.0248 -.0364
 .590 -.0304 -.0376 -.0472
 .770 -.0520
 .950 -.0712 -.0376 -.0340

BETA (6) = -.010 ALPHA (6) = 8.270 Q(PSF) = 42.860 PO = 2113.7 RUN NO = 17.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2953 -.4241 -.0284
 .200 .0802 -.0004
 .410 .0501 .0314 .0248
 .590 .0212 .0104 .0044
 .770 -.0016
 .950 -.0196 .0068 .0140

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE02)

BETA (7) = .980 ALPHA (1) = -2.070 Q(PSF) = 42.917 PO = 2113.7 RUN NO = 18.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6452 -.9209 -.1622
 .200 -.1202 -.2437
 .410 -.2089 -.2284 -.2329
 .590 -.2185 -.2293 -.2365
 .770 -.2365
 .950 -.2377 -.2209 -.2233

BETA (7) = .980 ALPHA (2) = .020 Q(PSF) = 42.917 PO = 2113.7 RUN NO = 18.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5744 -.8158 -.1301
 .200 -.0760 -.2009
 .410 -.1685 -.1867 -.2009
 .590 -.1793 -.1937 -.2021
 .770 -.2009
 .950 -.1901 -.1685 -.1745

BETA (7) = .980 ALPHA (3) = 2.060 Q(PSF) = 42.917 PO = 2113.7 RUN NO = 18.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5159 -.7388 -.0895
 .200 -.0425 -.1582
 .410 -.1136 -.1358 -.1533
 .590 -.1317 -.1437 -.1533
 .770 -.1558
 .950 -.1485 -.1280 -.1389

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CA163B PRESSURE DATA LISTING

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CA163B NOSE GEAR DOOR INNER SURFACE (RFPE02)

BETA (7) = .980 ALPHA (4) = 4.120 Q(PSF) = 42.917 PO = 2113.7 RUN NO = 18.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4417 -.6100 -.0424
 .200 -.0076 -.1050
 .410 -.0617 -.0822 -.0990
 .590 -.0809 -.0942 -.1014
 .770 -.1050
 .950 -.0942 -.0725 -.0797

BETA (7) = .980 ALPHA (5) = 6.200 Q(PSF) = 42.917 PO = 2113.7 RUN NO = 18.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3650 -.4973 -.0100
 .200 -.0308 -.0545
 .410 -.0172 -.0269 -.0401
 .590 -.0316 -.0353 -.0449
 .770 -.0545
 .950 -.0425 -.0172 -.0316

BETA (7) = .980 ALPHA (6) = 8.270 Q(PSF) = 42.917 PO = 2113.7 RUN NO = 18.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2834 -.7937 .0367
 .200 .0811 -.0040
 .410 .0331 .0283 .0139
 .590 .0223 .0163 .0091
 .770 -.0064
 .950 .0127 .0379 .0247

DATE 27 APR 77 0A1630: PRESSURE DATA LISTING

0A1638 NOSE GEAR DOOR INNER SURFACE (RFPE02)

BETA (8) = 1.970 ALPHA (1) = -2.050 Q(PSF) = 42.822 P0 = 2113.7 RUN NO = 19.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6388 -.8798 -.1594
 .200 -.1136 -.2437
 .410 -.1991 -.2305 -.2305
 .590 -.2076 -.2232 -.2305
 .770 -.2365
 .950 -.2341 -.2088 -.2136

BETA (8) = 1.970 ALPHA (2) = .010 Q(PSF) = 42.822 P0 = 2113.7 RUN NO = 19.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5710 -.7840 -.1099
 .200 -.0846 -.2002
 .410 -.1544 -.1821 -.1970
 .590 -.1713 -.1857 -.1918
 .770 -.2002
 .950 -.1857 -.1581 -.1677

BETA (8) = 1.970 ALPHA (3) = 2.070 Q(PSF) = 42.822 P0 = 2113.7 RUN NO = 19.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5081 -.6818 -.0824
 .200 -.0582 -.1535
 .410 -.1137 -.1349 -.1523
 .590 -.1282 -.1427 -.1487
 .770 -.1583
 .950 -.1391 -.1053 -.1161

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OA163B PRESSURE DATA LISTING

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OA163B NOSE GEAR DOOR INNER SURFACE (RFPED02)

BETA (8) = 1.970 ALPHA (4) = 4.130 Q(PSF) = 42.822 PO = 2113.7 RUN NO = 19.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4276 -.5611 -.0521
 .200 -.0172 -.1053
 .410 -.0702 -.0863 -.0978
 .590 -.0834 -.0870 -.1002
 .770 -.1111
 .950 -.0846 -.0485 -.0617

BETA (8) = 1.970 ALPHA (5) = 6.200 Q(PSF) = 42.822 PO = 2113.7 RUN NO = 19.000

SECTION (1) NOSE LND CR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3528 -.4803 -.0124
 .200 -.0368 -.0569
 .410 -.0220 -.0329 -.0449
 .590 -.0340 -.0352 -.0461
 .770 -.0629
 .950 -.0316 .0019 -.0124

BETA (8) = 1.970 ALPHA (6) = 8.270 Q(PSF) = 42.822 PO = 2113.7 RUN NO = 19.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2774 -.4003 .0393
 .200 .0863 -.0004
 .410 .0285 .0163 .0032
 .590 .0236 .0236 .0128
 .770 -.0172
 .950 .0176 .0670 .0525

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING (RPPE02)

BETA (9) = 2.990 ALPHA (1) = -2.060 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.6238 -.9400 -.1253
.200 -.1193 -.2199 -.2298
.410 -.1865 -.2118 -.2238
.590 -.1974 -.2370
.770 -.2250 -.1914 -.1926
.950

BETA (9) = 2.990 ALPHA (2) = -.020 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5537 -.7387 -.1065
.200 -.0993 -.1958
.410 -.1548 -.1835 -.1958
.590 -.1620 -.1717 -.1861
.770 -.2018
.950 -.1825 -.1463 -.1487

BETA (9) = 2.990 ALPHA (3) = 2.050 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.4883 -.6208 -.0799
.200 -.0582 -.1498
.410 -.1160 -.1348 -.1534
.590 -.1160 -.1269 -.1425
.770 -.1594
.950 -.1401 -.0931 -.0955

OA1638 NOSE GEAR DCOR INNER SURFACE (RFPE02)

BETA (9) = 2.990 ALPHA (4) = 4.130 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5641

X/CNL

.050	-.4177	-.5480	-.0426
.200	-.0112	-.1005	
.410	-.0691	-.0895	-.1041
.590	-.0739	-.0800	-.0956
.770		-.1162	
.950	-.0896	-.0438	-.0462

BETA (9) = 2.990 ALPHA (5) = 6.190 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3420	-.4660	-.0004
.200	.0429	-.0473	
.410	-.0196	-.0349	-.0533
.590	-.0220	-.0268	-.0401
.770		-.0713	
.950	-.0352	.0116	.0044

BETA (9) = 2.990 ALPHA (6) =

8.260 Q(PSF) = 42.823 PO = 2120.5 RUN NO = 20.000

SECTION (1) NOSE LND GR DR-I

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2723	-.3854	.0477
.200	.0910	.0032	
.410	.0296	.0163	-.0004
.590	.0308	.0320	.0188
.770		-.0232	
.950	.0152	.0753	.0561

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OA163B NOSE GEAR DOOR INNER SURFACE (RFPE02)

BETA (10) = 4.060 ALPHA (1) = -2.050 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.6177	-.7820
.200	-.1369	-.2275
.410	-.1864	-.2231
.590	-.1997	-.2057
.770	-.2480	-.2214
.950	-.2202	-.1792

BETA (10) = 4.060 ALPHA (2) = .000 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.5507	-.6871
.200	-.0979	-.1882
.410	-.1533	-.1781
.590	-.1581	-.1653
.770	-.2135	-.1810
.950	-.1810	-.1358

BETA (10) = 4.060 ALPHA (3) = 2.070 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4789	-.6152
.200	-.0546	-.1474
.410	-.1101	-.1309
.590	-.1161	-.1197
.770	-.1727	-.1366
.950	-.1414	-.0944

(RFPE02)

OA163B NOSE GEAR DOOR INNER SURFACE

BETA (10) = 4.060 ALPHA (4) = 4.110 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0320 .3280 .5540

X/CNL

.050	-.4099	-.5292	-.0425
.200	-.0052		-.0979
.410	-.0594	-.0834	-.1016
.590	-.0690	-.0678	-.0835
.770		-.1293	
.950	-.0907	-.0437	-.0437

BETA (10) = 4.060 ALPHA (5) = 6.190 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3414	-.4486	.0020
.200	.0405		-.0474
.410	-.0124	-.0320	-.0522
.590	-.0184	-.0136	-.0317
.770		-.0883	
.950	-.0413	.0152	.0092

BETA (10) = 4.060 ALPHA (6) = 8.260 Q(PSF) = 42.778 PO = 2120.6 RUN NO = 21.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2728	-.3680	.0478
.200	.0851		.0056
.410	.0357	.0204	-.0028
.590	.0333	.0429	.0297
.770		-.0425	
.950	.0104	.0731	.0646

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPED2)

BETA (11) = 5.030 ALPHA (1) = -2.070 Q(PSF) = 42.767 PO = 2120.6 RUN NO = 22.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6053 -.7327 -.1387
 .200 -.1290 -.2151 -.2252
 .410 -.1819 -.2301
 .590 -.2000 -.1976 -.2120
 .770 -.2637
 .950 -.2204 -.1819 -.1723

BETA (11) = 5.030 ALPHA (2) = .000 Q(PSF) = 42.767 PO = 2120.6 RUN NO = 22.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5426 -.6582 -.1208
 .200 -.0919 -.1835
 .410 -.1437 -.1711 -.1907
 .590 -.1606 -.1606 -.1727
 .770 -.2689
 .950 -.1823 -.1389 -.1305

BETA (11) = 5.030 ALPHA (3) = 2.070 Q(PSF) = 42.767 PO = 2120.6 RUN NO = 22.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4768 -.5817 -.0872
 .200 -.0510 -.1415
 .410 -.0993 -.1229 -.1499
 .590 -.1137 -.1125 -.1258
 .770 -.1958
 .950 -.1439 -.0944 -.0863

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFP02)

OAI63B NOSE GEAR DIOR INNER SURFACE

RUN NO = 22.000

P0 = 2123.6

Q(PSF) = 42.767

BETA (11) = 5.030 ALPHA (4) = 4.120

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4127 -.5110 -.0464
 .200 -.0052 -.0974
 .410 -.0549 -.0768 -.1035
 .590 -.0659 -.0598 -.0756
 .770 -.1532
 .950 -.0974 -.0464 -.0367

BETA (11) = 5.030 ALPHA (5) = 6.190 Q(PSF) = 42.767 P0 = 2120.6 RUN NO = 22.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3460 -.4339 .0032
 .200 .0357 -.0461
 .410 -.0076 -.0239 -.0558
 .590 -.0136 -.0016 -.0160
 .770 -.1063
 .950 -.0485 .0092 .0152

BETA (11) = 5.030 ALPHA (6) = 8.260 Q(PSF) = 42.767 P0 = 2120.6 RUN NO = 22.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2905 -.3676 .0525
 .200 .0790 .0044
 .410 .0537 .0294 -.0100
 .590 .0381 .0573 .0537
 .770 -.0666
 .950 -.0220 .0537 .0766

OAI63B NOSE GEAR DOOR INNER SURFACE

REFERENCE DATA PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO SFOBRK = 25.000 BDFLAP = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELV-L = .000 ELV-R = .000
 BREF = 936.6300 INCHES ZMRP = 375.0000 IN. ZO PHI-N = 30.800 THETAN = 5.000
 SCALE = .0405 PHI-ML = 40.000 THETML = 6.200
 PHI-MR = 40.000 THETMR = 6.200

BETA (1) = -5.030 ALPHA (1) = -2.080 Q(PSF) = 42.820 PO = 2117.7 RUN NO = 23.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6583 -1.1740 -.1932
 .200 -.2052 -.2317
 .410 -.2185 -.2105 -.2257
 .590 -.2365 -.2281 -.2257
 .770 -.2365 -.2365
 .950 -.2558 -.2498 -.2365

BETA (1) = -5.020 ALPHA (2) = -.010 Q(PSF) = 42.820 PO = 2117.7 RUN NO = 23.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5878 -1.0477 -.1460
 .200 -.1605 -.1918
 .410 -.1761 -.1740 -.1882
 .590 -.1990 -.1858 -.1845
 .770 -.1930
 .950 -.2243 -.2134 -.1990

BETA (1) = -5.030 ALPHA (3) = 2.060 Q(PSF) = 42.820 PO = 2117.7 RUN NO = 23.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5206 -.9313 -.1015
 .200 -.1099 -.1461
 .410 -.1340 -.1317 -.1497
 .590 -.1593 -.1437 -.1437
 .770 -.1557
 .950 -.1846 -.1666 -.1581

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFP03)

OAI638 NOSE GEAR (OOR INNER SURFACE

RUN NO = 23.000

P0 = 2117.7

Q(PSF) = 42.820

BETA (1) = -5.030 ALPHA (4) = 4.110

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4470 -.8046 -.0642
 .200 -.0569 -.0979
 .410 -.0838 -.0833 -.1051
 .590 -.1208 -.1027 -.1003
 .770 -.1135
 .950 -.1388 -.1111 -.1015

BETA (1) = -5.030 ALPHA (5) = 6.190 Q(PSF) = 42.820 P0 = 2117.7 RUN NO = 23.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3717 -.6817 -.0136
 .200 -.0004 -.0508
 .410 -.0376 -.0309 -.0508
 .590 -.0677 -.0520 -.0544
 .770 -.0665
 .950 -.0989 -.0580 -.0472

BETA (1) = -5.030 ALPHA (6) = 8.260 Q(PSF) = 42.820 P0 = 2117.7 RUN NO = 23.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2923 -.5699 .0381
 .200 .0562 .0056
 .410 .0140 .0204 .0020
 .590 -.0173 .0020 .0092
 .770 -.0112
 .950 -.0559 -.0148 .0007

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFPE03)

OA163B NOSE GEAR 100R INNER SURFACE

BETA (2) = -4.030 ALPHA (1) = -2.080 Q(PSF) = 42.86" PO = 2117.8 RUN NO = 24.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.6357 -1.1614 -.1853
.200 -.1985 -.2297
.410 -.2273 -.2228 -.2309
.590 -.2321 -.2213 -.2189
.770 -.2381
.950 -.2525 -.2453 -.2357

BETA (2) = -4.030 ALPHA (2) = .000 Q(PSF) = 42.86" PO = 2117.8 RUN NO = 24.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5958 -1.0382 -.1474
.200 -.1510 -.1932
.410 -.1824 -.1914 -.1568
.590 -.1980 -.1824 -.1800
.770 -.1930
.950 -.2185 -.2077 -.2029

BETA (2) = -4.030 ALPHA (3) = 2.050 Q(PSF) = 42.86" PO = 2117.8 RUN NO = 24.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5166 -.8956 -.1063
.200 -.0966 -.1460
.410 -.1339 -.1357 -.1496
.590 -.1616 -.1436 -.1363
.770 -.1532
.950 -.1785 -.1532 -.1460

DATE 27 APR 77 OAI538 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR INNER SURFACE (RFPE03)

BETA (2) = -4.030 ALPHA (4) = 4.120 Q(PSF) = 42.867 PO = 2117.8 RUN NO = 24.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4428 -.7674 -.0605
.200 -.0436 -.0989
.410 -.0797 -.0782 -.0989
.590 -.1158 -.1038 -.0977
.770 -.1110
.950 -.1314 -.1062 -.0929

BETA (2) = -4.040 ALPHA (5) = 6.190 Q(PSF) = 42.867 PO = 2117.8 RUN NO = 24.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3625 -.6548 -.0100
.200 -.0176 -.0437
.410 -.0244 -.0269 -.0461
.590 -.0665 -.0509 -.0521
.770 -.0557
.950 -.0906 -.0497 -.0461

BETA (2) = -4.040 ALPHA (6) = 8.260 Q(PSF) = 42.867 PO = 2117.8 RUN NO = 24.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2831 -.5357 .0404
.200 .0693 .0092
.410 .0272 .0284 .0068
.590 -.0088 .0080 .0044
.770 -.0028
.950 -.0485 -.0028 .0092

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE03)

BETA (3) = -2.960 ALPHA (1) = -2.060 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .350 -.6701 -1.1233 -.1783
 .200 -.1855 -.2324
 .410 -.2228 -.2291 -.2300
 .590 -.2336 -.2252 -.2216
 .770 -.2432
 .950 -.2468 -.2384 -.2348

BETA (3) = -2.960 ALPHA (2) = .010 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5974 -.9917 -.1511
 .200 -.1354 -.1921
 .410 -.1837 -.1915 -.1933
 .590 -.1957 -.1861 -.1801
 .770 -.2030
 .950 -.2090 -.1909 -.1933

BETA (3) = -2.960 ALPHA (3) = 2.050 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5098 -.8607 -.1049
 .200 -.0809 -.1469
 .410 -.1325 -.1365 -.1469
 .590 -.1554 -.1506 -.1469
 .770 -.1566
 .950 -.1698 -.1397 -.1373

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE03)

OAI63B NOSE GEAR D)OR INNER SURFACE

BETA (3) = -2.960 ALPHA (4) = 4.120 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4406 -.7330 -.0569
 .200 -.0220 -.1026
 .410 -.0773 -.0812 -.0942
 .590 -.1074 -.1038 -.1002
 .770 -.1086
 .950 -.1255 -.0990 -.0882

BETA (3) = -2.960 ALPHA (5) = 6.200 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3633 -.6268 -.0028
 .200 .0331 -.0459
 .410 -.0219 -.0248 -.0399
 .590 -.0578 -.0507 -.0531
 .770 -.0543
 .950 -.0806 -.0519 -.0399

BETA (3) = -2.960 ALPHA (6) = 8.280 Q(PSF) = 42.893 PO = 2117.8 RUN NO = 25.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2903 -.5140 .0489
 .200 .0946 .0152
 .410 .0344 .0365 .0188
 .590 -.0004 .0068 .0069
 .770 -.0004
 .950 -.0413 -.0064 .0080

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE03)

BETA (4) = -2.030 ALPHA (1) = -2.060 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND OR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6592 -1.0589 -.1804
 .200 -.1672 -.2356
 .410 -.2184 -.2287 -.2308
 .590 -.2260 -.2295 -.2284
 .770 -.2404 -.2404
 .950 -.2404 -.2320 -.2320

BETA (4) = -2.020 ALPHA (2) = .020 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND OR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5929 -.9446 -.1461
 .200 -.1148 -.1967
 .410 -.1774 -.1872 -.1907
 .590 -.1895 -.1919 -.1907
 .770 -.2027
 .950 -.2087 -.1883 -.1834

BETA (4) = -2.030 ALPHA (3) = 2.070 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND OR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5066 -.8281 -.1011
 .200 -.0579 -.1503
 .410 -.1263 -.1362 -.1467
 .590 -.1467 -.1455 -.1515
 .770 -.1563
 .950 -.1635 -.1395 -.1371

(RFPE03)

OAI63B NOSE GEAR [OOR INNER SURFACE

BETA (4) = -2.020 ALPHA (4) = 4.120 Q(PSF) = 42.87% PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4355 -.7132 -.0545
 .200 -.0016 -.0989
 .410 -.0725 -.0812 -.0941
 .590 -.1001 -.1001 -.1125
 .770 -.1037
 .950 -.1218 -.0917 -.0857

BETA (4) = -2.020 ALPHA (5) = 6.200 Q(PSF) = 42.87% PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3672 -.6049 -.0004
 .200 .0550 -.0426
 .410 -.0209 -.0259 -.0354
 .590 -.0510 -.0462 -.0522
 .770 -.0559
 .950 -.0788 -.0466 -.0366

BETA (4) = -2.020 ALPHA (6) = 8.270 Q(PSF) = 42.87% PO = 2117.8 RUN NO = 26.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2928 -.4926 .0525
 .200 .1006 .0140
 .410 .0369 .0284 .0188
 .590 .0019 .0116 .0032
 .770 -.0004
 .950 -.0365 -.0028 .0068

DATE 27 APR 77 OA1638 PRESSURE DATA LISTING

(RFPE03)

OA1638 NOSE GEAR DOOR INNER SURFACE

BETA (5) = -1.030 ALPHA (1) = -2.060 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.6433 -.9995 -.1731
 .200 -.1503 -.2330
 .410 -.2115 -.2296 -.2306
 .590 -.2223 -.2318 -.2318
 .770 -.2390 -.2390
 .950 -.2366 -.2306 -.2306

BETA (5) = -1.030 ALPHA (2) = .000 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5718 -.8893 -.1375
 .200 -.0966 -.1964
 .410 -.1688 -.1819 -.1892
 .590 -.1820 -.1868 -.1940
 .770 -.1952
 .950 -.2037 -.1844 -.1808

BETA (5) = -1.030 ALPHA (3) = 2.060 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5050 -.7910 -.1025
 .200 -.0364 -.1482
 .410 -.1169 -.1304 -.1470
 .590 -.1373 -.1446 -.1458
 .770 -.1482
 .950 -.1590 -.1373 -.1349

(RFPE03)

OAI63B NOSE GEAR DOOR INNER SURFACE

BETA (5) = -1.030 ALPHA (4) = 4.120 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4376 -.6845 -.0534
 .200 .0152 -.0931
 .410 -.0654 -.0783 -.0835
 .590 -.0895 -.0955 -.0979
 .770 -.1015
 .950 -.1160 -.0883 -.0847

BETA (5) = -1.030 ALPHA (5) = 6.190 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3710 -.5822 -.0028
 .200 .0587 -.0402
 .410 -.0112 -.0219 -.0378
 .590 -.0378 -.0450 -.0535
 .770 -.0486
 .950 -.0704 -.0462 -.0354

BETA (5) = -1.030 ALPHA (6) = 8.280 Q(PSF) = 42.872 PO = 2117.8 RUN NO = 27.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2934 -.4448 .0464
 .200 .1016 .0104
 .410 .0452 .0354 .0200
 .590 .0164 .0116 .0067
 .770 .0043
 .950 -.0266 .0043 .0079

DATE	TIME	TEST	TESTER	NOSE GEAR DOOR	INNER SURFACE	RUN NO	28.000
DATE 27 APR 77				0A163B		2117.8	
				0A163B			

INDEPENDENT VARIABLE	BETA (6)	ALPHA (1)	Q(PSF)	Q(PSF)
DEPENDENT VARIABLE CF				

Y/BNL	.0920	.3280	.5540
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X/CNL	- .5718	- .8587	- .1331
.050	- .0805		- .1988
.200	- .1653	- .1838	- .1928
.410	- .1785	- .1932	- .1928
.590		- .1975	
.770	- .2060	- .1821	- .1845
.950			

DATA (S)	ALPHA (2)	Q (PSF)	P0	RUN NO
030	2.070	42.9E5	2117.8	28.000

SECTION 7, INVOICE 1 AND CB DR-1

Y/BNL	.0920	.3280	.5640
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X/CNL	.050	-.5081	-.7644	-.1081
	.200	-.0267		-.1477
	.410	-.1105	-.1290	-.1441
	.590	-.1285	-.1441	-.1501
	.770		-.1513	
	.950	-.1572	-.1357	-.1369

Run No	P0	Q(PSF)	Alpha (Z)
28.000	217.8	42.985	4.130

SECTION / 1 UNOSF 1 ND GR DR-1

Y/BN	.0920	.3280	.5640
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X/CNL	-.050	-.4425	-.6563	-.0556
	.200	.0176		-.0917
	.410	-.0532	-.0761	-.0891
	.590	-.0748	-.0981	-.0989
	.770		-.1001	
	.950	-.1073	-.0857	-.0785

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFP03)

OAI63B NOSE GEAR DOOR INNER SURFACE

BETA (6) = .030 ALPHA (4) = 6.210 Q(PSF) = 42.915 PO = 2117.8 RUN NO = 28.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3628 -.5386 -.0088
 .200 -.0513 -.0449
 .410 .0007 -.0188 -.0329
 .590 -.0244 -.0365 -.0425
 .770 -.0521
 .950 -.0606 -.0377 -.0317

BETA (7) = .960 ALPHA (1) = .000 Q(PSF) = 42.717 PO = 2117.2 RUN NO = 29.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5682 -.8155 -.1324
 .200 -.0748 -.1984
 .410 -.1648 -.1856 -.1972
 .590 -.1768 -.1912 -.1996
 .770 -.1972
 .950 -.1900 -.1660 -.1696

BETA (7) = .960 ALPHA (2) = 2.070 Q(PSF) = 42.717 PO = 2117.2 RUN NO = 29.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5158 -.7397 -.0887
 .200 -.0391 -.1552
 .410 -.1117 -.1364 -.1516
 .590 -.1298 -.1419 -.1492
 .770 -.1552
 .950 -.1492 -.1262 -.1335

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR INNER SURFACE (RFPE03)

BETA (7) = .960 ALPHA (3) = 4.130 Q(PSF) = 42.7E7 PO = 2117.2 RUN NO = 29.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4382 -.6151 -.0449
 .200 -.0076 -.1026
 .410 -.0641 -.0812 -.0966
 .590 -.0798 -.0906 -.0990
 .770 -.1026
 .950 -.0918 -.0677 -.0822

BETA (7) = .960 ALPHA (4) = 6.200 Q(PSF) = 42.7E7 PO = 2117.2 RUN NO = 29.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3644 -.4975 -.0125
 .200 .0334 -.0280 -.0536
 .410 -.0149 -.0342 -.0427
 .590 -.0306 -.0536
 .770 -.0403 -.0161 -.0294
 .950

BETA (8) = 1.950 ALPHA (1) = .000 Q(PSF) = 42.910 PO = 2117.1 RUN NO = 30.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5644 -.7847 -.1117
 .200 -.0806 -.1967
 .410 -.1560 -.1801 -.1932
 .590 -.1668 -.1812 -.1908
 .770 -.1979
 .950 -.1848 -.1548 -.1620

OA163B NOSE GEAR DOOR INNER SURFACE (RFPE03)

BETA (8) = 1.940 ALPHA (2) = 2.060 Q(PSF) = 42.9'0 P0 = 2117.1 RUN NO = 30.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE C1'

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5011 -.6829 -.0834
 .200 -.0557 -.1508
 .410 -.1135 -.1347 -.1484
 .590 -.1280 -.1388 -.1472
 .770 -.1568
 .950 -.1352 -.1027 -.1147

BETA (8) = 1.940 ALPHA (3) = 4.140 Q(PSF) = 42.9'0 P0 = 2117.1 RUN NO = 30.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE C1'

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4296 -.5650 -.0572
 .200 -.0149 -.1044
 .410 -.0705 -.0877 -.0971
 .590 -.0814 -.0898 -.0995
 .770 -.1128
 .950 -.0850 -.0499 -.0620

BETA (8) = 1.940 ALPHA (4) = 6.200 Q(PSF) = 42.9'0 P0 = 2117.1 RUN NO = 30.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE C1'

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3522 -.4731 -.0147
 .200 -.0354 -.0554
 .410 -.0195 -.0297 -.0422
 .590 -.0303 -.0351 -.0470
 .770 -.0602
 .950 -.0339 .0067 -.0135

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE03)

BETA (9) = 5.000 ALPHA (1) = .000 Q(PSF) = 42.835 P0 = 2117.2 RUN NO = 31.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5426 -.6608 -.1258
 .200 -.0935 -.1879
 .410 -.1437 -.1716 -.1950
 .590 -.1604 -.1628 -.1735
 .770 -.2309
 .950 -.1843 -.1449 -.1341

BETA (9) = 5.000 ALPHA (2) = 2.080 Q(PSF) = 42.835 P0 = 2117.2 RUN NO = 31.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4795 -.5807 -.0895
 .200 -.0509 -.1460
 .410 -.0979 -.1246 -.1496
 .590 -.1159 -.1147 -.1256
 .770 -.1942
 .950 -.1424 -.0979 -.0858

BETA (9) = 4.990 ALPHA (3) = 4.130 Q(PSF) = 42.835 P0 = 2117.2 RUN NO = 31.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE C²

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4114 -.5030 -.0474
 .200 -.0124 -.0968
 .410 -.0606 -.0814 -.1004
 .590 -.0727 -.0594 -.0727
 .770 -.1510
 .950 -.1004 -.0426 -.0365

DATE 27 APR 77

0A163B PRESSURE DATA LISTING

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(RFPE03)

NOSE GEAR DOOR INNER SURFACE

0A163B

RUN NO = 31.000

PO = 2117.2

Q(PSF) = 42.835

ALPHA (4) = 6.220

4.990

BETA (9) =

DEPENDENT VARIABLE C²

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CN

.050 -.3464 -.4332 -.0016

.200 .0345 -.0462

.410 -.0064 -.0269 -.0534

.590 -.0197 -.0052 -.0172

.770 -.1077

.950 -.0450 .0092 .0140

DATE 27 APR 77

OAI63B PRESSURE DATA LISTING

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NOSE GEAF DOOR INNER SURFACE

(RFPE04) (27 APR 77)

OAI63B

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 25.000 THETAN = 5.000
 PHI-ML = 26.000 THETML = 4.000
 PHI-MR = 26.000 THETMR = 4.000

BETA (1) = -5.030 ALPHA (1) = .000 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 32.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4727 -.6878 -.4078
 .200 -.1410 -.1806
 .410 -.1842 -.1808 -.1710
 .590 -.1867 -.1830 -.1867
 .770 -.1903
 .950 -.1842 -.1746 -.1698

BETA (1) = -5.030 ALPHA (2) = 2.070 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 32.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4125 -.6222 -.4210
 .200 -.0944 -.1438
 .410 -.1438 -.1359 -.1293
 .590 -.1438 -.1390 -.1414
 .770 -.1493
 .950 -.1486 -.1353 -.1305

BETA (1) = -5.030 ALPHA (3) = 4.130 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 32.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3491 -.5519 -.3853
 .200 -.0462 -.0969
 .410 -.0969 -.0666 -.0885
 .590 -.0957 -.0921 -.0945
 .770 -.1041
 .950 -.1114 -.0903 -.0860

(RFE04)

OAI63B NOSE GEAF: DOOR INNER SURFACE

BETA (1) = -5.030 ALPHA (4) = 6.210 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 32.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2825 -.4742 -.3295
 .200 -.0032 -.0510
 .410 -.0486 -.0421 -.0486
 .590 -.0510 -.0426 -.0426
 .770 -.0522
 .950 -.0691 -.0474 -.0438

BETA (2) = -2.000 ALPHA (1) = .000 Q(PSF) = 42.602 PO = 2115.0 RUN NO = 33.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4881 -.6912 -.4641
 .200 -.1169 -.1914
 .410 -.1818 -.1927 -.2214
 .590 -.1830 -.1854 -.1842
 .770 -.1950
 .950 -.1842 -.1674 -.1722

BETA (2) = -2.010 ALPHA (2) = 2.050 Q(PSF) = 42.602 PO = 2115.0 RUN NO = 33.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4239 -.6164 -.4287
 .200 -.0665 -.1435
 .410 -.1339 -.1417 -.1447
 .590 -.1351 -.1435 -.1399
 .770 -.1507
 .950 -.1375 -.1207 -.1243

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE04)

BETA (2) = -2.010 ALPHA (3) = 4.120 Q(PSF) = 42.302 P0 = 2115.0 RUN NO = 33.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3541 -.5435 -.3805
 .200 -.0221 -.0945
 .410 -.0825 -.0916 -.0849
 .590 -.0897 -.0921 -.0933
 .770 -.1066
 .950 -.0933 -.0716 -.0752

BETA (2) = -2.010 ALPHA (4) = 6.220 Q(PSF) = 42.802 P0 = 2115.0 RUN NO = 33.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2901 -.4663 -.3323
 .200 .0164 -.0438
 .410 -.0317 -.0401 -.0342
 .590 -.0450 -.0462 -.0438
 .770 -.0595
 .950 -.0462 -.0257 -.0305

BETA (3) = -1.010 ALPHA (1) = .020 Q(PSF) = 42.885 P0 = 2115.0 RUN NO = 34.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4935 -.6867 -.4563
 .200 -.1096 -.1900
 .410 -.1768 -.1895 -.2260
 .590 -.1780 -.1828 -.1816
 .770 -.1960
 .950 -.1864 -.1672 -.1660

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAF DOOR INNER SURFACE (RFE04)

BETA (3) = -1.010 ALPHA (2) = 2.060 Q(PSF) = 42.485 PO = 2115.0 RUN NO = 34.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/CNL
.050	-.4295	-.6188
.200	-.0643	-.1450
.410	-.1318	-.1450
.590	-.1330	-.1390
.770	-.1535	-.1221
.950	-.1426	-.1245

BETA (3) = -1.010 ALPHA (3) = 4.130 Q(PSF) = 42.485 PO = 2115.0 RUN NO = 34.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/CNL
.050	-.3590	-.5456
.200	-.0268	-.0942
.410	-.0822	-.0944
.590	-.0894	-.0918
.770	-.1075	-.0762
.950	-.0930	-.0726

BETA (3) = -1.010 ALPHA (4) = 6.200 Q(PSF) = 42.485 PO = 2115.0 RUN NO = 34.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	Z/CNL
.050	-.2897	-.4614
.200	.0055	-.0400
.410	-.0328	-.0376
.590	-.0400	-.0412
.770	-.0604	-.0604
.950	-.0436	-.0280

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAL: DOOR INNER SURFACE (RFPED04)

BETA (4) = .010 ALPHA (1) = .000 Q(PSF) = 42.150 PO = 2115.0 RUN NO = 35.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4949 -.6857 -.4721
 .200 -.1000 -.1900
 .410 -.1696 -.1855 -.2236
 .590 -.1696 -.1768 -.1780
 .770 -.1996
 .950 -.1864 -.1648 -.1612

BETA (4) = .010 ALPHA (2) = 2.070 Q(PSF) = 42.150 PO = 2115.0 RUN NO = 35.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4303 -.6194 -.4339
 .200 -.0690 -.1437
 .410 -.1268 -.1408 -.1654
 .590 -.1268 -.1328 -.1353
 .770 -.1581
 .950 -.1425 -.1209 -.1184

BETA (4) = .010 ALPHA (3) = 4.130 Q(PSF) = 42.150 PO = 2115.0 RUN NO = 35.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3642 -.5401 -.3739
 .200 -.0389 -.0919
 .410 -.0823 -.0884 -.0931
 .590 -.0799 -.0847 -.0859
 .770 -.1136
 .950 -.0919 -.0678 -.0702

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE04)

NOSE GEAR DOOR INNER SURFACE

BETA (4) = .010 ALPHA (4) = 6.200 Q(PSF) = 42.350 PO = 2115.0 RUN NO = 35.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2966 -.4616 -.3099
 .200 .0032 -.0437
 .410 -.0329 -.0370 -.0413
 .590 -.0341 -.0365 -.0365
 .770 -.0530 -.0530
 .950 -.0413 -.0160 -.0208

BETA (5) = 1.000 ALPHA (1) = .000 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 36.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4945 -.6809 -.4753
 .200 -.1122 -.1891
 .410 -.1651 -.1828 -.2084
 .590 -.1687 -.1735 -.1759
 .770 -.2048 -.2048
 .950 -.1843 -.1639 -.1579

BETA (5) = 1.000 ALPHA (2) = 2.050 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 36.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4281 -.6124 -.4269
 .200 -.0835 -.1413
 .410 -.1220 -.1358 -.1510
 .590 -.1245 -.1281 -.1293
 .770 -.1630 -.1630
 .950 -.1377 -.1172 -.1136

DATE 27 APR 77 OA1638 PRESSURE DATA LISTING

OA1638 NOSE GEAR DOOR INNER SURFACE (RFPE04)
 BETA (5) = 1.010 ALPHA (3) = 4.140 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 36.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3633 -.5406 -.3633
 .200 -.0402 -.0944
 .410 -.0751 -.0885 -.0908
 .590 -.0811 -.0799 -.0836
 .770 -.1185
 .950 -.0908 -.0655 -.0631

BETA (5) = 1.000 ALPHA (4) = 6.190 Q(PSF) = 42.797 PO = 2115.0 RUN NO = 36.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3081 -.4650 -.2961
 .200 .0116 -.0426
 .410 -.0257 -.0340 -.0402
 .590 -.0305 -.0329 -.0317
 .770 -.0728
 .950 -.0402 -.0112 -.0161

BETA (6) = 1.990 ALPHA (1) = .020 Q(PSF) = 42.385 PO = 2115.0 RUN NO = 37.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4978 -.6720 -.4582
 .200 -.1301 -.1866
 .410 -.1614 -.1777 -.1854
 .590 -.1674 -.1710 -.1722
 .770 -.2118
 .950 -.1818 -.1602 -.1554

DEPENDENT VARIABLE CP

OAI638 NOSE GEAR DOOR INNER SURFACE (RFPE04)

BETA (6) = 1.980 ALPHA (2) = 2.050 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 37.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4391 -.6098 -.4066
 .200 -.0881 -.1446
 .410 -.1182 -.1335 -.1386
 .590 -.1254 -.1278 -.1278
 .770 -.1710
 .950 -.1434 -.1133 -.1097

BETA (6) = 1.990 ALPHA (3) = 4.130 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 37.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3844 -.5464 -.3436
 .200 -.0364 -.0952
 .410 -.0712 -.0921 -.0892
 .590 -.0760 -.0756 -.0808
 .770 -.1288
 .950 -.0928 -.0616 -.0628

BETA (6) = 1.990 ALPHA (4) = 6.180 Q(PSF) = 42.885 PO = 2115.0 RUN NO = 37.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3235 -.4706 -.2777
 .200 .0128 -.0486
 .410 -.0221 -.0350 -.0399
 .590 -.0317 -.0317 -.0269
 .770 -.0812
 .950 -.0377 -.0052 -.0124

DATE 27 APR 77 OA163B PRESSURE DATA LISTING (RFPE04)

NOSE GEAR DOOR INNER SURFACE
 OAI63B PO = 2115.0 RUN NO = 38.000

BETA (7) = 5.010 ALPHA (1) = .000 Q(PSF) = 42.840

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5609 -.6473 -.4337
 .200 -.1192 -.1876
 .410 -.1516 -.1584 -.1624
 .590 -.1660 -.1612 -.1588
 .770 -.2308
 .950 -.1888 -.1468 -.1360

BETA (7) = 5.010 ALPHA (2) = 2.050 Q(PSF) = 42.840 PO = 2115.0 RUN NO = 38.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.5055 -.5813 -.3853
 .200 -.0809 -.1459
 .410 -.1062 -.1124 -.1158
 .590 -.1230 -.1134
 .770 -.1904
 .950 -.1471 -.1026 -.0906

BETA (7) = 5.010 ALPHA (3) = 4.110 Q(PSF) = 42.840 PO = 2115.0 RUN NO = 38.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4485 -.5063 -.3497
 .200 -.0365 -.1003
 .410 -.0606 -.0652 -.0678
 .590 -.0750 -.0666 -.0666
 .770 -.1461
 .950 -.0991 -.0473 -.0389

BETA (7) = 5.010 ALPHA (4) = 6.200 Q(PSF) = 42.840 PO = 2115.0 RUN NO = 38.000
(RFPED04)

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4035 -.4446 -.2828
.200 .0032 -.0511
.410 -.0136 -.0169 -.0233
.590 -.0317 -.0173 -.0173
.770 -.1078
.950 -.0571 .0068 .0140

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OAI63B PRESSURE DATA LISTING

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(RFPE05) (27 APR 77)

NOSE GEAR DOOR INNER SURFACE

OAI63B

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = 5.000 ELV-R = 5.000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

BETA (1) = -5.050 ALPHA (1) = .050 Q(PSF) = 42.827 PO = 2115.0 RUN NO = 39.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4786 -.7178 -.4074
 .200 -.1199 -.1851
 .410 -.1670 -.1614 -.1622
 .590 -.1743 -.1755 -.1767
 .770 -.1815
 .950 -.1900 -.1791 -.1719

BETA (1) = -5.050 ALPHA (2) = 2.120 Q(PSF) = 42.827 PO = 2115.0 RUN NO = 39.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4169 -.6565 -.3712
 .200 -.0762 -.1448
 .410 -.1232 -.1176 -.1135
 .590 -.1328 -.1268 -.1316
 .770 -.1376
 .950 -.1545 -.1400 -.1376

BETA (1) = -5.050 ALPHA (3) = 4.190 Q(PSF) = 42.827 PO = 2115.0 RUN NO = 39.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3575 -.5932 -.3563
 .200 -.0268 -.1002
 .410 -.0713 -.0651 -.0653
 .590 -.0833 -.0785 -.0833
 .770 -.0918
 .950 -.1158 -.1026 -.1026

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE05)

OAI63B NOSE GEAR DOOR INNER SURFACE

RUN NO = 39.000

PO = 2115.0

Q(PSF) = 42.827

BETA (1) = -5.050 ALPHA (4) = 6.270

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2744 -.4920 -.3309
 .200 .0272 -.0496
 .410 -.0160 -.0077 -.0112
 .590 -.0280 -.0232 -.0280
 .770 -.0400
 .950 -.0773 -.0556 -.0556

BETA (2) = -4.050 ALPHA (1) = .050 Q(PSF) = 42.862 PO = 2115.0 RUN NO = 40.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4769 -.7254 -.4109
 .200 -.1108 -.1792
 .410 -.1732 -.1695 -.1624
 .590 -.1780 -.1756 -.1780
 .770 -.1804
 .950 -.1852 -.1648 -.1588

BETA (2) = -4.050 ALPHA (2) = 2.110 Q(PSF) = 42.862 PO = 2115.0 RUN NO = 40.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4157 -.6618 -.4037
 .200 -.0652 -.1408
 .410 -.1288 -.1223 -.1204
 .590 -.1348 -.1276 -.1336
 .770 -.1394
 .950 -.1492 -.1336 -.1264

DEPENDENT VARIABLE CP

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE05)

OAI63B NOSE GEAR DOOR INNER SURFACE

RUN NO = 40.000

PO = 2115.0

BETA (2) = -4.050 ALPHA (3) = 4.190 Q(PSF) = 42.862

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-I

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3483 -.5839 -.3846
 .200 -.0173 -.0922
 .410 -.0765 -.0705 -.0704
 .590 -.0849 -.0801 -.0825
 .770 -.0898
 .950 -.1091 -.0898 -.0837

RUN NO = 40.000

PO = 2115.0

BETA (2) = -4.050 ALPHA (4) = 6.240 Q(PSF) = 42.862

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-I

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2843 -.5009 -.3505
 .200 .0296 -.0473
 .410 -.0256 -.0208 -.0184
 .590 -.0365 -.0304 -.0316
 .770 -.0413
 .950 -.0689 -.0497 -.0497

RUN NO = 41.000

PO = 2115.1

BETA (3) = -2.970 ALPHA (1) = .070 Q(PSF) = 42.822

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-I

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4889 -.7338 -.4781
 .200 -.1000 -.1828
 .410 -.1792 -.1795 -.1756
 .590 -.1804 -.1816 -.1828
 .770 -.1900
 .950 -.1792 -.1600 -.1588

OAI63B NOSE GEAR DOOR INNER SURFACE (RFE05)

BETA (3) = -2.970 ALPHA (2) = 2.110 Q(PSF) = 42.822 P0 = 2115.1 RUN NO = 41.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4225 -.6614 -.4418
 .200 -.0534 -.1403
 .410 -.1306 -.1319 -.1294
 .590 -.1367 -.1330 -.1343
 .770 -.1439
 .950 -.1379 -.1222 -.1162

BETA (3) = -2.960 ALPHA (3) = 4.190 Q(PSF) = 42.822 P0 = 2115.1 RUN NO = 41.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3531 -.5734 -.4157
 .200 -.0100 -.0906
 .410 -.0774 -.0763 -.0786
 .590 -.0858 -.0834 -.0846
 .770 -.0931
 .950 -.1039 -.0798 -.0774

BETA (3) = -2.970 ALPHA (4) = 6.260 Q(PSF) = 42.822 P0 = 2115.1 RUN NO = 41.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2790 -.4829 -.3864
 .200 .0273 -.0450
 .410 -.0245 -.0249 -.0245
 .590 -.0365 -.0305 -.0341
 .770 -.0426
 .950 -.0619 -.0426 -.0402

DATE 27 APR 77

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BETA (4) = -2.030 ALPHA (1) = .030 Q (PSF) = 472.880 PO = 2115.0 RUN NO = 42.000
(RFP05)

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.4844 -.7186 -.5360
.200 -.0668 -.1781
.410 -.1757 -.1816 -.1793
.590 -.1781 -.1805 -.1841
.770 -.1961
.950 -.1721 -.1577 -.1553

BETA (4) = -2.030 ALPHA (2) = 2.120 Q (PSF) = 472.880 PO = 2115.0 RUN NO = 42.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.4174 -.6398 -.4872
.200 -.0472 -.1374
.410 -.1230 -.1355 -.1338
.590 -.1338 -.1326 -.1350
.770 -.1458
.950 -.1278 -.1121 -.1097

BETA (4) = -2.030 ALPHA (3) = 4.170 Q (PSF) = 472.880 PO = 2115.0 RUN NO = 42.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3476 -.5526 -.4525
.200 -.0160 -.0920
.410 -.0799 -.0875 -.0860
.590 -.0896 -.0854 -.0884
.770 -.0980
.950 -.0932 -.0739 -.0691

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

OA163B NOSE GEAR DOOR INNER SURFACE (RPPE05)

BETA (4) = -2.030 ALPHA (4) = 6.260 Q(PSF) = 42.880 P0 = 2115.0 RUN NO = 42.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2767 -.4617 -.3968
 .200 -.0128 -.0412
 .410 -.0268 -.0339 -.0316
 .590 -.0376 -.0316 -.0364
 .770 -.0460
 .950 -.0460 -.0292 -.0268

BETA (5) = -1.040 ALPHA (1) = .050 Q(PSF) = 42.920 P0 = 2115.1 RUN NO = 43.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4819 -.7160 -.5575
 .200 -.0832 -.1805
 .410 -.1685 -.1816 -.1841
 .590 -.1721 -.1817 -.1841
 .770 -.1985
 .950 -.1757 -.1541 -.1541

BETA (5) = -1.040 ALPHA (2) = 2.120 Q(PSF) = 42.920 P0 = 2115.1 RUN NO = 43.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4171 -.6278 -.5104
 .200 -.0542 -.1345
 .410 -.1213 -.1340 -.1357
 .590 -.1297 -.1333 -.1381
 .770 -.1536
 .950 -.1285 -.1081 -.1093

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING (RFPE05)
 OAI63B NOSE GEAR DOOR INNER SURFACE
 BETA (5) = -1.040 ALPHA (3) = 4.170 Q(PSF) = 42.920 PO = 2115.1 RUN NO = 43.000

SECTION (1) NOSE LND GR DR-I
 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3445 -.5371 -.4565
 .200 -.0268 -.0870
 .410 -.0714 -.0913 -.0870
 .590 -.0834 -.0882 -.0906
 .770 -.1014
 .950 -.0846 -.0678 -.0629

BETA (5) = -1.040 ALPHA (4) = 6.250 Q(PSF) = 42.920 PO = 2115.1 RUN NO = 43.000

SECTION (1) NOSE LND GR DR-I
 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2785 -.4544 -.3954
 .200 .0140 -.0353
 .410 -.0232 -.0279 -.0341
 .590 -.0341 -.0329 -.0377
 .770 .0473
 .950 -.0377 -.0136 -.0196

BETA (6) = .000 ALPHA (1) = .040 Q(PSF) = 42.807 PO = 2115.1 RUN NO = 44.000

SECTION (1) NOSE LND GR DR-I
 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4835 -.7023 -.5568
 .200 -.0917 -.1806
 .410 -.1662 -.1808 -.1843
 .590 -.1710 -.1770 -.1794
 .770 .2011
 .950 -.1782 -.1518 -.1482

DATE 27 APR 77

0A163B PRESSURE DATA LISTING

(RFPE05)

0A163B NOSE GEAR DOOR INNER SURFACE

RUN NO = 44.000

PO = 2115.1

Q(PSF) = 42.807

BETA (6) = .000 ALPHA (2) = 2.120

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4163	-.6164
.200	-.0691	-.1318
.410	-.1173	-.1299
.590	-.1245	-.1318
.770	-.1559	-.1330
.950	-.1281	-.1016
		-.1028

BETA (6) = .000 ALPHA (3) = 4.170 Q(PSF) = 42.807 PO = 2115.1 RUN NO = 44.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.3473	-.5280
.200	-.0305	-.4485
.410	-.0702	-.0847
.590	-.0775	-.0804
.770	-.1064	-.0871
.950	-.0811	-.0799
		-.0847
		-.1064
		-.0534
		-.0558

BETA (6) = .000 ALPHA (4) = 6.260 Q(PSF) = 42.807 PO = 2115.1 RUN NO = 44.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.2862	-.4526
.200	-.0273	-.3875
.410	-.0184	-.0293
.590	-.0245	-.0219
.770	-.0558	-.0317
.950	-.0341	-.0329
		-.0558
		-.0052
		-.0088

DATE 27 APR 77 OA1638 PRESSURE DATA LISTING

OA1638 NOSE GAR DOOR INNER SURFACE (RFPE05)

BETA (7) = .980 ALPHA (1) = .070 Q(PSF) = 43.847 PO = 2115.1 RUN NO = 45.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4839 -.6896 -.5476
 .200 -.1098 -.1760
 .410 -.1615 -.1749 -.1808
 .590 -.1627 -.1700 -.1724
 .770 -.2012
 .950 -.1796 -.1495 -.1411

BETA (7) = .980 ALPHA (2) = 2.120 Q(PSF) = 43.847 PO = 2115.1 RUN NO = 45.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4188 -.6112 -.4982
 .200 -.0725 -.1314
 .410 -.1170 -.1275 -.1362
 .590 -.1170 -.1230 -.1278
 .770 -.1603
 .950 -.1350 -.1002 -.0978

BETA (7) = .980 ALPHA (3) = 4.170 Q(PSF) = 43.847 PO = 2115.1 RUN NO = 45.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3548 -.5296 -.4416
 .200 -.0172 -.0799
 .410 -.0679 -.0774 -.0847
 .590 -.0703 -.0715 -.0751
 .770 -.1137
 .950 -.0847 -.0498 -.0498

BETA (7) = .980 ALPHA (4) = 6.240 Q(PSF) = 42.847 PO = 2115.1 RUN NO = 45.000
 (RFPE05)

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.0340 99.0000 -.3819
 .200 .0368 -.0268
 .410 -.0160 -.0239 -.0304
 .590 -.0196 -.0208 -.0232
 .770 -.0617
 .950 -.0329 .0044 -.0052

BETA (8) = 1.970 ALPHA (1) = .060 Q(PSF) = 42.845 PO = 2115.1 RUN NO = 46.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4854 -.6787 -.5359
 .200 -.1108 -.1745
 .410 -.1564 -.1695 -.1769
 .590 -.1552 -.1612 -.1685
 .770 -.2081
 .950 -.1841 -.1492 -.1396

BETA (8) = 1.970 ALPHA (2) = 2.100 Q(PSF) = 42.845 PO = 2115.1 RUN NO = 46.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4273 -.6053 -.4862
 .200 -.0617 -.1278
 .410 -.1110 -.1225 -.1314
 .590 -.1086 -.1170 -.1194
 .770 -.1651
 .950 -.1387 -.1002 -.0906

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE05)

OAI63B NOSE (EAR DOOR INNER SURFACE

BETA (8) = 1.970 ALPHA (3) = 4.180 Q(PSF) = 12.845 PO = 2115.1 RUN NO = 46.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3594 -.5334 -.4357
 .200 -.0112 -.0800
 .410 -.0619 -.0734 -.0812
 .590 -.0643 -.0679 -.0715
 .770 -.1234
 .950 -.0884 -.0486 -.0438

BETA (8) = 1.970 ALPHA (4) = 6.250 Q(PSF) = 12.845 PO = 2115.1 RUN NO = 46.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3125 -.4619 -.3896
 .200 .0393 -.0281
 .410 -.0124 -.0209 -.0245
 .590 -.0148 -.0148 -.0196
 .770 -.0727
 .950 -.0329 .0068 .0032

BETA (9) = 2.980 ALPHA (1) = .070 Q(PSF) = 12.530 PO = 2115.1 RUN NO = 47.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4948 -.6725 -.5248
 .200 -.1000 -.1732
 .410 -.1468 -.1644 -.1720
 .590 -.1492 -.1552 -.1612
 .770 -.2152
 .950 -.1852 -.1480 -.1360

DATE 27 APR 77

0A1638 PRESSURE DATA LISTING

(RFP05)

NOSE REAR DOOR INNER SURFACE

RUN NO = 47.000

BETA (9) = 2.990 ALPHA (2) = 2.100 Q(PSF) = 12.930 PO = 2115.1

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4410 -.5995 -.4830
 .200 -.0555 -.1264
 .410 -.1012 -.1183 -.1228
 .590 -.1048 -.1072 -.1144
 .770 -.1769
 .950 -.1420 -.1012 -.0892

BETA (9) = 2.990 ALPHA (3) = 4.190 Q(PSF) = 12.930 PO = 2115.1 RUN NO = 47.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3883 -.5289 -.4364
 .200 -.0052 -.0784
 .410 -.0544 -.0581 -.0724
 .590 -.0580 -.0592 -.0688
 .770 -.1301
 .950 -.0928 -.0308 -.0448

BETA (9) = 2.990 ALPHA (4) = 6.260 Q(PSF) = 12.930 PO = 2115.1 RUN NO = 47.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3359 -.4550 -.3898
 .200 .0392 -.0292
 .410 -.0052 -.0168 -.0220
 .590 -.0112 -.0100 -.0148
 .770 -.0645
 .950 -.0352 .0060 .0056

OA163B PRESSURE DATA LISTING

(RFP#05)

DOOR :EAB DOOR INNER SURFACE

RUN NO = 48.000

$$\text{BETA} (10) = 4.050 \quad \text{ALPHA} (1) =$$

1117

DEPENDENT VARIABLE.E CP

SECTION (1) NOSE LND GR DR-I

Y/8NL	.0920	.3280	.5640
-------	-------	-------	-------

X/CNL	-5246	-6622	-5292
050	-0931	-1703	-1703
200	-1404	-1610	-1667
410	-1500	-1476	-1559
590	-2278	-1476	-1296
770	-1859	-1476	-1296
950	-1859	-1476	-1296

RUN NO - 48.000

$$\text{BETA} (10) = 4.040$$

3 100 0195F) = 12.912

2115.1

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND CR DR-I

Y/BNL	.0920	.5280	.5640
-------	-------	-------	-------

X/CNL					
.050	-	.4754	-	.5956	-
.200	-	.0533	-		-
.410	-	.0954	-	.1175	-
.590	-	.1050	-	.1062	-
.770	-		-	.1832	-
.950	-	.1435	-	.1035	-
					-
					.4852
					.1278
					.1206
					.1085
					.0891

RUN NO = 48.000

$$\alpha(3) = 4.050$$
 $Q(PSF) = 12.912$

PD = 2115.1

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-I

Y/BNL	.0920	.3280	.5540
-------	-------	-------	-------

X/CNL				
.050	- .4192	- .5203	- .4364	
.200	- .0100		- .0774	
.410	- .0485	- .0642	- .0702	
.590	- .0557	- .0509	- .0605	
.770		- .1436		
.950	- .0954	- .0521	- .0365	

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE05)

OAI63B NOSE REAR DOOR INNER SURFACE

RUN NO = 48.000

BETA (10) = 4.050 ALPHA (4) = 6.250 Q(PSF) = 12.912 PO = 2115.1

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5540

X/CNL
 .050 -.3676 -.4450 -.3868
 .200 -.0333 -.0256
 .410 -.0019 -.0108 -.0172
 .590 -.0076 -.0028 -.0076
 .770 -.0931
 .950 -.0413 .0044 .0140

BETA (11) = 5.000 ALPHA (1) = .060 Q(PSF) = 12.847 PO = 2115.1 RUN NO = 49.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5540

X/CNL
 .050 -.5544 -.6479 -.5340
 .200 -.0903 -.1694
 .410 -.1371 -.1532 -.1622
 .590 -.1455 -.1395 -.1491
 .770 -.2390
 .950 -.1874 -.1443 -.1215

BETA (11) = 5.000 ALPHA (2) = 2.130 Q(PSF) = 12.847 PO = 2115.1 RUN NO = 49.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5540

X/CNL
 .050 -.5043 -.5811 -.4815
 .200 -.0520 -.1227
 .410 -.0903 -.1081 -.1131
 .590 -.1011 -.0927 -.0975
 .770 -.1971
 .950 -.1443 -.0951 -.0771

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE05)

BETA (11) = 5.000 ALPHA (3) = 4.190 Q(PSF) = 42.847 PO = 2115.1 RUN NO = 49.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4592 -.5160 -.4459
 .200 -.0136 -.0776
 .410 -.0450 -.0583 -.0692
 .590 -.0559 -.0475 -.0547
 .770 -.1610
 .950 -.1006 -.0499 -.0293

BETA (11) = 5.000 ALPHA (4) = 6.250 Q(PSF) = 42.847 PO = 2115.1 RUN NO = 49.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3988 -.4410 -.3891
 .200 .0297 -.0281
 .410 .0056 -.0017 -.0100
 .590 -.0040 .0056 -.0004
 .770 .1102
 .950 -.0523 .0020 .0189

NOSE GEAR DOOR INNER SURFACE

QA163B

(RFPE06) (27 APR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = 16.300
 ELV-L = .000 ELV-R = .000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

BETA (1) = -5.030 ALPHA (1) = .010 Q(PSF) = 42.822 PO = 2119.9 RUN NO = 51.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4816 -.7198 -.4118
 .200 -.1171 -.1808
 .410 -.1652 -.1638 -.1604
 .590 -.1748 -.1748 -.1756
 .770 -.1784
 .950 -.1844 -.1760 -.1700

BETA (1) = -5.030 ALPHA (2) = 2.100 Q(PSF) = 42.822 PO = 2119.9 RUN NO = 51.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4178 -.6596 -.3564
 .200 -.0749 -.1423
 .410 -.1183 -.1155 -.1171
 .590 -.1291 -.1255 -.1303
 .770 -.1375
 .950 -.1519 -.1375 -.1351

BETA (1) = -5.030 ALPHA (3) = 4.140 Q(PSF) = 42.822 PO = 2119.9 RUN NO = 51.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3523 -.5898 -.3547
 .200 -.0245 -.1004
 .410 -.0727 -.0653 -.0654
 .590 -.0811 -.0751 -.0799
 .770 -.0908
 .950 -.1149 -.0992 -.0968

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFE06)

BETA (1) = -5.040 ALPHA (4) = 6.230 Q(PSF) = 42.822 PO = 2119.9 RUN NO = 51.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2859 -.5113 -.3269
 .200 .0248 -.0510
 .410 -.0172 -.0158 -.0184
 .590 -.0353 -.0269 -.0305
 .770 .0449
 .950 -.0751 -.0570 -.0594

BETA (2) = -4.030 ALPHA (1) = .010 Q(PSF) = 42.780 PO = 2119.8 RUN NO = 52.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4898 -.7346 -.4103
 .200 -.1113 -.1800
 .410 -.1728 -.1712 -.1655
 .590 -.1776 -.1776 -.1776
 .770 .1872
 .950 -.1824 -.1691 -.1619

BETA (2) = -4.030 ALPHA (2) = 2.090 Q(PSF) = 42.780 PO = 2119.8 RUN NO = 52.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4238 -.6663 -.3961
 .200 -.0667 -.1391
 .410 -.1258 -.1279 -.1198
 .590 -.1343 -.1306 -.1331
 .770 .1427
 .950 -.1475 -.1294 -.1270

DATE 27 APR 77 OA1638 PRESSURE DATA LISTING

OA1638 NOSE GEAR DOOR INNER SURFACE (RFPE06)

BETA (2) = -4.030 ALPHA (3) = 4.140 Q(PSF) = 42.780 PO = 2119.8 RUN NO = 52.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3558 -.5872 -.3811
 .200 -.0172 -.0955
 .410 -.0775 -.0723 -.0678
 .590 -.0859 -.0787 -.0835
 .770 -.0919
 .950 -.1088 -.0895 -.0847

BETA (2) = -4.030 ALPHA (4) = 6.240 Q(PSF) = 42.780 PO = 2119.8 RUN NO = 52.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2834 -.4978 -.3533
 .200 -.0284 -.0485
 .410 -.0232 -.0199 -.0196
 .590 -.0353 -.0305 -.0329
 .770 -.0437
 .950 -.0726 -.0485 -.0497

BETA (3) = -2.950 ALPHA (1) = .010 Q(PSF) = 42.832 PO = 2119.9 RUN NO = 53.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4896 -.7324 -.4788
 .200 -.0977 -.1771
 .410 -.1747 -.1808 -.1723
 .590 -.1795 -.1807 -.1819
 .770 -.1903
 .950 -.1783 -.1614 -.1626

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR INNER SURFACE (REFE06)

BETA (3) = -2.950 ALPHA (2) = 2.100 Q(PSF) = 42.832 P0 = 2119.9 RUN NO = 53.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4176 -.5558 -.4345
 .200 -.0521 -.1352 -.1352
 .410 -.1266 -.1295 -.1254
 .590 -.1338 -.1290 -.1350
 .770 -.1411
 .950 -.1387 -.1194 -.1142

BETA (3) = -2.950 ALPHA (3) = 4.150 Q(PSF) = 42.832 P0 = 2119.9 RUN NO = 53.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3572 -.5779 -.4115
 .200 -.0112 -.0932
 .410 -.0811 -.0804 -.0811
 .590 -.0896 -.0860 -.0872
 .770 -.0980
 .950 -.1004 -.0860 -.0787

BETA (3) = -2.950 ALPHA (4) = 6.220 Q(PSF) = 42.832 P0 = 2119.9 RUN NO = 53.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2860 -.4789 -.3373
 .200 .0285 -.0450
 .410 -.0289 -.0289 -.0245
 .590 -.0389 -.0353 -.0329
 .770 -.0462
 .950 -.0605 -.0401 -.0389

OA163B NOSE GEAR DOOR INNER SURFACE (RFPE06)

BETA (4) = -2.020 ALPHA (1) = .040 Q(PSF) = 42.867 PO = 2119.8 RUN NO = 54.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4811 -.7215 -.5400
 .200 -.0857 -.1782
 .410 -.1710 -.1818 -.1782
 .590 -.1770 -.1794 -.1818
 .770 -.1915
 .950 -.1746 -.1614 -.1590

BETA (4) = -2.020 ALPHA (2) = 2.090 Q(PSF) = 42.867 PO = 2119.8 RUN NO = 54.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4183 -.6459 -.4893
 .200 -.0473 -.1365
 .410 -.1244 -.1338 -.1328
 .590 -.1328 -.1316 -.1377
 .770 -.1485
 .950 -.1292 -.1172 -.1124

BETA (4) = -2.020 ALPHA (3) = 4.150 Q(PSF) = 42.867 PO = 2119.8 RUN NO = 54.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3521 -.5581 -.4509
 .200 -.0160 -.0943
 .410 -.0775 -.0864 -.0883
 .590 -.0859 -.0835 -.0859
 .770 -.1016
 .950 -.0919 -.0726 -.0702

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE05)

OAI63B NOSE GEAR DOOR INNER SURFACE

RUN NO = 54.000

PO = 2119.8

Q(PSF) = 42.867

BETA (4) = -2.020 ALPHA (4) = 6.220

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2837 -.4475 -.3965
 .200 .0127 -.0436
 .410 -.0280 -.0369 -.0364
 .590 -.0412 -.0340 -.0364
 .770 -.0508
 .950 -.0472 -.0280 -.0280

RUN NO = 55.000

PO = 2119.8

Q(PSF) = 42.815

BETA (5) = -1.020 ALPHA (1) = .030

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4808 -.7096 -.5531
 .200 -.0810 -.1762
 .410 -.1677 -.1811 -.1810
 .590 -.1713 -.1798 -.1810
 .770 -.1966
 .950 -.1762 -.1533 -.1533

RUN NO = 55.000

PO = 2119.8

Q(PSF) = 42.815

BETA (5) = -1.020 ALPHA (2) = 2.100

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4180 -.6298 -.5118
 .200 -.0545 -.1339
 .410 -.1219 -.1337 -.1364
 .590 -.1303 -.1364 -.1400
 .770 -.1532
 .950 -.1279 -.1099 -.1099

OA1638 NOSE GEAR DOOR INNER SURFACE (RFPE06)

BETA (5) = -1.020 ALPHA (3) = 4.150 Q(PSF) = 42.815 PO = 2119.8 RUN NO = 55.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3498 -.5390 -.4558
 .200 -.0305 -.0883
 .410 -.0702 -.0884 -.0907
 .590 -.0859 -.0847 -.0895
 .770 -.1052
 .950 -.0859 -.0630 -.0642

BETA (5) = -1.020 ALPHA (4) = 6.240 Q(PSF) = 42.815 PO = 2119.8 RUN NO = 55.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2848 -.4583 -.3932
 .200 .0140 -.0353
 .410 -.0233 -.0310 -.0365
 .590 -.0353 -.0341 -.0389
 .770 -.0522
 .950 -.0401 -.0148 -.0208

BETA (6) = .000 ALPHA (1) = .010 Q(PSF) = 42.787 PO = 2119.8 RUN NO = 56.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4860 -.7036 -.5545
 .200 -.0905 -.1783
 .410 -.1662 -.1798 -.1843
 .590 -.1686 -.1771 -.1807
 .770 -.1999
 .950 -.1783 -.1518 -.1494

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BETA (6) = .000 ALPHA (2) = 2.100 Q(PSF) = 42.787 PO = 2119.8 RUN NO = 56.000 (RFPE06)

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4194 -.6205 -.5085
 .200 -.0690 -.1328
 .410 -.1220 -.1347 -.1412
 .590 -.1268 -.1316 -.1352
 .770 -.1581
 .950 -.1328 -.1039 -.1027

BETA (6) = .000 ALPHA (3) = 4.160 Q(PSF) = 42.787 PO = 2119.8 RUN NO = 56.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3502 -.5360 -.4491
 .200 -.0293 -.0836
 .410 -.0703 -.0945 -.0895
 .590 -.0800 -.0812 -.0836
 .770 -.1077
 .950 -.0836 -.0546 -.0571

BETA (6) = .000 ALPHA (4) = 6.220 Q(PSF) = 42.787 PO = 2119.8 RUN NO = 56.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2843 -.4558 -.3894
 .200 .0249 -.0281
 .410 -.0221 -.0300 -.0342
 .590 -.0318 -.0306 -.0342
 .770 -.0571
 .950 -.0366 -.0052 -.0100

0A163B NOSE GEAR DOOR INNER SURFACE (RFP06)

BETA (7) = 1.000 ALPHA (1) = .020 Q(PSF) = 42.847 P0 = 2119.9 RUN NO = 57.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4855	-.6968	-.5551
.200	-.1108	-.1793	
.410	-.1625	-.1786	-.1841
.590	-.1637	-.1721	-.1757
.770		-.2057	
.950	-.1817	-.1517	-.1433

BETA (7) = 1.000 ALPHA (2) = 2.080 Q(PSF) = 42.847 P0 = 2119.9 RUN NO = 57.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4214	-.6114	-.4984
.200	-.0725	-.1315	
.410	-.1182	-.1326	-.1387
.590	-.1182	-.1231	-.1279
.770		-.1615	
.950	-.1363	-.1014	-.0966

BETA (7) = 1.000 ALPHA (3) = 4.150 Q(PSF) = 42.847 P0 = 2119.9 RUN NO = 57.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3600	-.5344	-.4394
.200	-.0208		-.0809
.410	-.0689	-.0792	-.0846
.590	-.0701	-.0713	-.0773
.770		-.1158	
.950	-.0870	-.0509	-.0485

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OA163B NOSE GEAR DOOR INNER SURFACE (RPED06)

BETA (7) = 1.000 ALPHA (4) = 6.240 Q(PSF) = 42.847 PO = 2119.9 RUN NO = 57.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.2998	-.4579
.200	.0394	-.0259
.410	-.0161	-.0260
.590	-.0197	-.0245
.770	-.0643	-.0643
.950	-.0330	.0032

BETA (8) = 1.980 ALPHA (1) = .010 Q(PSF) = 42.860 PO = 2119.9 RUN NO = 58.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4902	-.6823
.200	-.1144	-.1732
.410	-.1576	-.1735
.590	-.1564	-.1636
.770	-.2104	-.2104
.950	-.1828	-.1516

BETA (8) = 1.980 ALPHA (2) = 2.110 Q(PSF) = 42.960 PO = 2119.9 RUN NO = 58.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4295	-.6079
.200	-.0630	-.1261
.410	-.1113	-.1258
.590	-.1113	-.1161
.770	-.1691	-.1691
.950	-.1390	-.0992

0A163B NOSE GEAR DOOF. INNER SURFACE (RFPE06)

BETA (8) = 1.980 ALPHA (3) = 4.160 Q(PSF) = 42.850 PO = 2119.9 RUN NO = 58.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3711 -.5311 -.4397
 .200 -.0088 -.0786
 .410 -.0641 -.0762 -.0798
 .590 -.0654 -.0690 -.0738
 .770 -.1231
 .950 -.0894 -.0497 -.0461

BETA (8) = 1.980 ALPHA (4) = 6.240 Q(PSF) = 42.850 PO = 2119.9 RUN NO = 58.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3107 -.4646 -.3853
 .200 .0380 -.0288
 .410 -.0124 -.0228 -.0256
 .590 -.0160 -.0172 -.0196
 .770 -.0773
 .950 -.0340 .0068 -.0004

BETA (9) = 2.980 ALPHA (1) = .010 Q(PSF) = 42.877 PO = 2119.9 RUN NO = 59.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.5015 -.6769 -.5327
 .200 -.1043 -.1746
 .410 -.1506 -.1697 -.1734
 .590 -.1530 -.1602 -.1638
 .770 -.2203
 .950 -.1854 -.1482 -.1350

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR INNER SURFACE (RFPE06)

BETA (9) = 2.980 ALPHA (2) = 2.100 Q(PSF) = 42.877 P0 = 2119.9 RUN NO = 59.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5540

X/CNL	Y/BNL	CP
.050	-.4471	-.6059
.200	-.0568	-.4868
.410	-.1036	-.1289
.590	-.1060	-.1223
.770	-.1120	-.1277
.950	-.1169	-.1120
	-.1793	-.1169
	-.1445	-.1024
	-.0904	-.0904

BETA (9) = 2.980 ALPHA (3) = 4.150 Q(PSF) = 42.877 P0 = 2119.9 RUN NO = 59.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.3976	-.5336
.200	-.0088	-.4395
.410	-.0557	-.0822
.590	-.0617	-.0732
.770	-.1388	-.0762
.950	-.0906	-.0678
	-.0485	-.1388
	-.0437	-.0437

BETA (9) = 2.980 ALPHA (4) = 6.230 Q(PSF) = 42.877 P0 = 2119.9 RUN NO = 59.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.3337	-.4615
.200	-.0369	-.3859
.410	-.0076	-.0305
.590	-.0124	-.0198
.770	-.0871	-.0244
.950	-.0377	-.0160
	-.0080	-.0160
	.0056	-.0871

DATE 27 APR 77				OAI638 PRESSURE DATA LISTING				(RFP005)			
				OAI638				NOSE GEAR DOOR INNER SURFACE			

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE06)

OAI63B NOSE GEAR DC OR INNER SURFACE

RUN NO = 60.000

PO = 2119.9

BETA (10) = 4.060 ALPHA (4) = 6.230 Q(PSF) = 42.825
SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3709 -.4553 -.3938
.200 -.0309 -.0293
.410 -.0028 -.0169 -.0197
.590 -.0112 -.0040 -.0088
.770 -.0931
.950 -.0426 .0056 .0104

RUN NO = 61.000

PO = 2119.9

BETA (11) = 5.010 ALPHA (1) = .050 Q(PSF) = 42.762
SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5611 -.6525 -.5346
.200 -.0906 -.1700
.410 -.1351 -.1568 -.1604
.590 -.1472 -.1399 -.1484
.770 -.2385
.950 -.1857 -.1484 -.1231

RUN NO = 61.000

PO = 2119.9

BETA (11) = 5.010 ALPHA (2) = 2.090 Q(PSF) = 42.762
SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.5131 -.5893 -.4914
.200 -.0560 -.1261
.410 -.0923 -.1131 -.1177
.590 -.1032 -.0959 -.1044
.770 -.2035
.950 -.1479 -.1007 -.0790

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BETA (11) = 5.010 ALPHA (3) = 4.160 O(PSF) = 42.762 PO = 2119.9 RUN NO = 61.000 (RFPED6)

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4607 -.5162 -.4427
 .200 -.0148 -.0787
 .410 -.0474 -.0602 -.0703
 .590 -.0582 -.0486 -.0558
 .770 -.1594
 .950 -.1016 -.0546 -.0281

BETA (11) = 5.010 ALPHA (4) = 6.250 Q(PSF) = 42.762 PO = 2119.9 RUN NO = 61.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4055 -.4452 -.3898
 .200 .0285 -.0281
 .410 .0032 -.0007 -.0136
 .590 -.0040 .0032 -.0040
 .770 -.1089
 .950 -.0510 .0056 .0237

NOSE GEAR DOOR INNER SURFACE

OAI63B

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
ELV-L = .000 ELV-R = .000
PHI-N = 66.000 THETAN = 108.000
PHI-ML = 26.000 THETML = 4.000
PHI-MR = 26.000 THETMR = 4.000

BETA (1) = -5.050 ALPHA (1) = .000 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 62.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.4578 -.6829 -.5878
.200 .0140 -.1568
.410 -.0401 -.0470 -.0834
.590 -.0581 -.0726 -.0955
.770 -.1015
.950 -.2832 -.2531 -.1833

BETA (1) = -5.050 ALPHA (2) = 2.070 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 62.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3797 -.5754 -.4836
.200 .0527 -.0837
.410 .0140 .0063 -.0233
.590 -.0052 -.0233 -.0390
.770 -.0571
.950 -.2444 -.2118 -.1417

BETA (1) = -5.050 ALPHA (3) = 4.130 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 62.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3014 -.4796 -.3857
.200 .1031 -.0208
.410 .0658 .0627 .0393
.590 .0453 .0320 .0128
.770 -.0136
.950 -.2050 -.1749 -.0967

BETA (1) = -5.050 ALPHA (4) = 6.190 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 62.000 (RFPE07)

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2200 -.3769 -.2816
 .200 .1540 .0442
 .410 .1190 .1144 .0985
 .590 .0961 .0852 .0659
 .770 .0321
 .950 -.1645 -.1367 -.0535

BETA (2) = -2.020 ALPHA (1) = .000 Q(PSF) = 42.842 PO = 2117.8 RUN NO = 63.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4680 -.6867 -.3994
 .200 .0176 -.1362
 .410 -.0148 -.0430 -.0532
 .590 -.0184 -.0424 -.0665
 .770 -.1182
 .950 -.2901 -.2660 -.1843

BETA (2) = -2.030 ALPHA (2) = 2.070 Q(PSF) = 42.842 PO = 2117.8 RUN NO = 63.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3879 -.5823 -.2925
 .200 .0647 -.0692
 .410 .0370 .0103 .0056
 .590 .0382 .0140 .0100
 .770 -.0776
 .950 -.2551 -.2273 -.1428

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE07)

OAI63B NOSE GEAR DOOR INNER SURFACE

BETA (2) = -2.020 ALPHA (3) = 4.120 Q(PSF) = 42.842 P0 = 2117.8 RUN NO = 63.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3049 -.4759 -.1639
 .200 .1187 .0647 -.0016
 .410 .0874 .0706 .0335
 .590 .0886 .0280 .0393
 .770 -.0280
 .950 -.2146 -.1882 -.1027

BETA (2) = -2.030 ALPHA (4) = 6.190 Q(PSF) = 42.842 P0 = 2117.8 RUN NO = 63.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2262 -.3632 -.0400
 .200 .1689 .1189 .0644
 .410 .1425 .1317 .1053
 .590 .1425 .0140 .0957
 .770 -.1734 -.1457 -.0544
 .950

BETA (3) = -1.030 ALPHA (1) = .000 Q(PSF) = 42.870 P0 = 2117.8 RUN NO = 64.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4645 -.6732 -.3110
 .200 .0199 -.1263
 .410 -.0076 -.0408 -.0483
 .590 -.0040 -.0255 -.0603
 .770 -.1287
 .950 -.2954 -.2726 -.1887

DATE 27 APR 77 OA1638 PRESSURE DATA LISTING (RFPE07)

BETA (3) = -1.030 ALPHA (2) = 2.080 Q(PSF) = 42.870 PO = 2117.8 RUN NO = 64.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.3786	-.5623	-.2105
.200	.0692		-.0568
.410	.0476	.0123	.0115
.590	.0488	.0272	.0007
.770		-.0808	
.950	-.2561	-.2345	-.1420

BETA (3) = -1.030 ALPHA (3) = 4.120 Q(PSF) = 42.870 PO = 2117.8 RUN NO = 64.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.2961	-.4639	-.0571
.200	.1227		.0080
.410	.1022	.0709	.0563
.590	.1046	.0865	.0456
.770		-.0366	
.950	-.2152	-.1899	-.0969

BETA (3) = -1.040 ALPHA (4) = 6.200 Q(PSF) = 42.870 PO = 2117.8 RUN NO = 64.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.2207	-.3616	.0730
.200	.1741		.0802
.410	.1537	.1322	.1031
.590	.1585	.1513	.1043
.770		.0092	
.950	-.1774	-.1521	-.0521

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE07)

BETA (4) = -.010 ALPHA (1) = .000 Q(PSF) = 42.835 PO = 2117.8 RUN NO = 65.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4555 -.6837 -.2081
 .200 .0260 -.1133
 .410 -.0004 -.0369 -.0472
 .590 .0104 -.0148 -.0520
 .770 -.1325
 .950 -.2922 -.2766 -.1925

BETA (4) = -.010 ALPHA (2) = 2.050 Q(PSF) = 42.835 PO = 2117.8 RUN NO = 65.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3695 -.5691 -.0749
 .200 .0729 -.0472
 .410 .0536 .0163 .0031
 .590 .0609 .0416 .0019
 .770 -.0893
 .950 -.2589 -.2372 -.1494

BETA (4) = -.010 ALPHA (3) = 4.120 Q(PSF) = 42.835 PO = 2117.8 RUN NO = 65.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2943 -.4605 .0453
 .200 .1260 .0284
 .410 .1104 .0799 .0525
 .590 .1176 .1057 .0586
 .770 -.0413
 .950 -.2184 -.1955 -.0991

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

(RFE07)

OAI638 NOSE GEAR DOOR INNER SURFACE

RUN NO = 65.000

BETA (4) = -.010 ALPHA (4) = 6.200 Q(PSF) = 42.835 PO = 2117.8

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.2165	-.3675
.200	.1794	.1058
.410	.1650	.1477
.590	.1710	.1674
.770	.0068	.0068
.950	-.1803	-.1574

BETA (5) = .980 ALPHA (1) = .000 Q(PSF) = 42.863 PO = 2117.8 RUN NO = 66.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4554	-.6901
.200	.0272	-.1015
.410	.0080	-.0329
.590	.0224	-.0016
.770	-.1364	-.1364
.950	-.6329	-.2802

BETA (5) = .980 ALPHA (2) = 2.080 Q(PSF) = 42.863 PO = 2117.8 RUN NO = 66.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.3711	-.5774
.200	.0731	-.0292
.410	.0619	.0303
.590	.0775	.0595
.770	-.0927	-.0927
.950	-.2547	-.2391

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR INNER SURFACE (RPPE07)

BETA (5) = .980 ALPHA (3) = 4.120 Q(PSF) = 42.863 PO = 2117.8 RUN NO = 66.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2897 -.4669 .1454
 .200 .1297 .0550
 .410 .1189 .0920 .0502
 .590 .1310 .1189 .0683
 .770 -.0450
 .950 -.2210 -.1945 -.0968

BETA (5) = .990 ALPHA (4) = 6.200 Q(PSF) = 42.863 PO = 2117.8 RUN NO = 66.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2109 -.3600 .2372
 .200 .1847 .1307
 .410 .1715 .1562 .0982
 .590 .1823 .1787 .1222
 .770 .0044
 .950 -.1784 -.1579 -.0473

BETA (6) = 1.980 ALPHA (1) = .010 Q(PSF) = 42.773 PO = 2117.8 RUN NO = 67.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4503 -.6933 .0176
 .200 .0296 -.0713
 .410 .0188 -.0188 -.0473
 .590 .0380 .0200 -.0292
 .770 -.1363
 .950 -.2927 -.2795 -.1880

DATE 27 APR 77

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0A1638 NOSE GEAR DOOR INNER SURFACE (RFPE07)

BETA (6) = 1.980 ALPHA (2) = 2.080 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 67.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.3668	-.5716	.1285
.200	.0815	.0032	.0032
.410	.0743	.0456	.0044
.590	.0923	.0767	.0236
.770	.0920	-.0920	
.950	-.2523	-.2366	-.1341

BETA (6) = 1.980 ALPHA (3) = 4.120 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 67.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.2874	-.4647	.2055
.200	.1346	.0779	.0779
.410	.1298	.1072	.0502
.590	.1419	.1322	.0779
.770	.0474	-.0474	
.950	-.2175	-.1970	-.0908

BETA (6) = 1.980 ALPHA (4) = 6.200 Q(PSF) = 42.770 PO = 2117.8 RUN NO = 67.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.2081	-.3604	.2766
.200	.1891	.1421	.1421
.410	.1783	.1670	.0962
.590	.1915	.1891	.1348
.770	.0080	.0080	
.950	-.1804	-.1550	-.0451

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFE08) (27 APR 77)

NOSE GEAR 100R INNER SURFACE

PARAMETRIC DATA

SPOBRK = 25.000 BOFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

BETA (1) = -5.030 ALPHA (1) = .000 Q(PSF) = 42.787 P0 = 2116.4 RUN NO = 68.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4540 -.6784 -.5764
 .200 .0139 -.1516
 .410 -.0376 -.0479 -.0820
 .590 -.0568 -.0724 -.0904
 .770 -.1024
 .950 -.2824 -.2524 -.1804

BETA (1) = -5.040 ALPHA (2) = 2.090 Q(PSF) = 42.787 P0 = 2116.4 RUN NO = 68.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3750 -.5666 -.4834
 .200 .0538 -.0847
 .410 .0128 .0053 -.0257
 .590 -.0064 -.0196 -.0401
 .770 -.0558
 .950 -.2449 -.2124 -.1377

BETA (1) = -5.030 ALPHA (3) = 4.130 Q(PSF) = 42.787 P0 = 2116.4 RUN NO = 68.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3000 -.4776 -.3857
 .200 .1010 -.0197
 .410 .0648 .0619 .0334
 .590 .0454 .0309 .0116
 .770 -.0149
 .950 -.2069 -.1780 -.0970

DATE 27 APR 77

0A163B PRESSURE DATA LISTING

(RFPE08)

BETA (1) = -5.030 ALPHA (4) = 6.210 Q(PSF) = 42.787 P0 = 2116.4 RUN NO = 68.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.2238	-.3784	-.2830
.200	.1590	.0430	
.410	.1179	.1175	.0886
.590	.0986	.0877	.0648
.770	.0309		
.950	-.1658	-.1356	-.0499

BETA (2) = -2.020 ALPHA (1) = .000 Q(PSF) = 42.880 P0 = 2116.5 RUN NO = 69.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.4662	-.6876	-.3951
.200	.0140		-.1352
.410	-.0148	-.0430	-.0533
.590	-.0172	-.0425	-.0629
.770	-.1207		
.950	-.2892	-.2627	-.1845

BETA (2) = -2.020 ALPHA (2) = 2.060 Q(PSF) = 42.880 P0 = 2116.5 RUN NO = 69.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL			
.050	-.3886	-.5845	-.2924
.200	.0644		-.0701
.410	.0358	.0103	-.0004
.590	.0344	.0116	-.0136
.770	-.0785		
.950	-.2516	-.2251	-.1422

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI639 NOSE GEAR DOOR INNER SURFACE (RFPE08)

BETA (2) = -2.020 ALPHA (3) = 4.120 Q(PSF) = 42.880 P0 = 2116.5 RUN NO = 69.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3040 -.4733 -.1612
 .200 .1172 -.0016
 .410 .0860 .0625 .0536
 .590 .0872 .0692 .0404
 .770 -.0316
 .950 -.2152 -.1888 -.0976

BETA (2) = -2.020 ALPHA (4) = 6.200 Q(PSF) = 42.880 P0 = 2116.5 RUN NO = 69.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2232 -.3701 -.0413
 .200 .1706 .1192 .1067
 .410 .1429 .1344 .0959
 .590 .1429 .0176
 .770 -.1738 -.1437 -.0521
 .950

BETA (3) = -1.020 ALPHA (1) = .000 Q(PSF) = 42.887 P0 = 2116.4 RUN NO = 70.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4627 -.6951 -.3074
 .200 .0224 -.1232
 .410 -.0064 -.0360 -.0437
 .590 .0019 -.0293 -.0545
 .770 -.1280
 .950 -.2893 -.2737 -.1906

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

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OA163B NOSE GEAR DOOR INNER SURFACE (RFPE08)

BETA (3) = -1.010 ALPHA (2) = 2.070 Q(PSF) = 42.887 PO = 2116.4 RUN NO = 70.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.3823	-.5624
.200	.0704	-.2081
.410	.0500	-.0555
.590	.0572	.0183
.770	.0356	.0128
.950	-.0760	.0007
	-.2550	-.0760
	-.2298	-.1397

BETA (3) = -1.020 ALPHA (3) = 4.140 Q(PSF) = 42.887 PO = 2116.4 RUN NO = 70.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.3002	-.4603
.200	.1248	-.0822
.410	.1031	.0044
.590	.1139	.0778
.770	-.0293	.0609
.950	-.2159	.0585
	-.1882	-.0293
		-.0967

BETA (3) = -1.020 ALPHA (4) = 6.210 Q(PSF) = 42.887 PO = 2116.4 RUN NO = 70.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.2200	-.3652
.200	.1771	.0716
.410	.1544	.0812
.590	.1604	.1328
.770	.0103	.1028
.950	-.1755	.1544
	-.1492	.1064
		.0103
		-.0520

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING

OAI638 NOSE GEAR DOOR INNER SURFACE (RFP08)

BETA (4) = .010 ALPHA (1) = -.010 Q(PSF) = 42.835 PO = 2116.4 RUN NO = 71.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE C:

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4548 -.6941 -.2132
 .200 .0248 -.1122
 .410 -.0004 -.0389 -.0484
 .590 .0092 -.0172 -.0509
 .770 -.1326
 .950 -.2973 -.2781 -.1939

BETA (4) = .000 ALPHA (2) = 2.050 Q(PSF) = 42.835 PO = 2116.4 RUN NO = 71.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3598 -.5750 -.0761
 .200 .0741 -.0484
 .410 .0572 .0223 .0031
 .590 .0657 .0440 .0019
 .770 -.0645
 .950 -.2480 -.2288 -.1446

BETA (4) = .010 ALPHA (3) = 4.120 Q(PSF) = 42.835 PO = 2116.4 RUN NO = 71.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2517 -.4698 .0489
 .200 .1259 .0260
 .410 .1103 .0808 .0537
 .590 .1187 .1067 .0561
 .770 .0437
 .950 -.2219 -.1954 -.1015

DATE 27 APR 77

OA1638 PRESSURE DATA LISTING

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OA1638 NOSE GEAR DOOR INNER SURFACE (RFPE08)

BETA (4) = .010 ALPHA (4) = 6.200 Q(PSF) = 42.815 P0 = 2116.4 RUN NO = 71.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2124 -.3630 .1706
 .200 .1802 .1068
 .410 .1658 .1434 .1007
 .590 .1706 .1670 .1152
 .770 .0056
 .950 -.1823 -.1546 -.0510

BETA (5) = 1.000 ALPHA (1) = .000 Q(PSF) = 42.817 P0 = 2116.5 RUN NO = 72.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4519 -.6939 -.0858
 .200 .0284 -.0967
 .410 .0104 -.0299 -.0473
 .590 .0236 -.0019 -.0413
 .770 -.1376
 .950 -.2929 -.2821 -.1894

BETA (5) = 1.000 ALPHA (2) = 2.060 Q(PSF) = 42.817 P0 = 2116.5 RUN NO = 72.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3745 -.5797 .0285
 .200 .0756 -.0329
 .410 .0635 .0315 .0020
 .590 .0792 .0623 .0092
 .770 -.0933
 .950 -.2550 -.2405 -.1116

DATE 27 APR 77 0A163B PRESSURE DATA LISTING

BETA (5) = 1.000 ALPHA (3) = 4.140 NOSE GEAR DOOR INNER SURFACE (RFPED08)
 Q(PSF) = 42.827 PO = 2116.5 RUN NO = 72.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2905 -.4686 .1428
 .200 .1295 .0549
 .410 .1211 .0949 .0513
 .590 .1320 .1223 .0670
 .770 -.0449
 .950 -.2194 -.1966 -.0943

BETA (5) = 1.000 ALPHA (4) = 6.200 Q(PSF) = 42.827 PO = 2116.5 RUN NO = 72.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2130 -.3644 .2321
 .200 .1856 .1293
 .410 .1701 .1571 .0981
 .590 .1832 .1785 .1245
 .770 .0043
 .950 -.1818 -.1565 -.0484

BETA (6) = 1.990 ALPHA (1) = .000 Q(PSF) = 42.850 PO = 2116.5 RUN NO = 73.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CF

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4529 -.7074 .0163
 .200 .0296 -.0760
 .410 .0199 -.0188 -.0460
 .590 .0380 .0175 -.0328
 .770 -.1384
 .950 -.2920 -.2800 -.1876

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFE08)

BETA (6) = 1.990 ALPHA (2) = 2.070 Q(PSF) = 42.890 PO = 2116.5 RUN NO = 73.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3688 -.5711 .1212
 .200 .0826 .0068
 .410 .0742 .0415 .0007
 .590 .0886 .0766 .0212
 .770 .0955
 .950 -.2532 -.2364 -.1340

BETA (6) = 1.980 ALPHA (3) = 4.130 Q(PSF) = 42.890 PO = 2116.5 RUN NO = 73.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2827 -.4665 .2119
 .200 .1341 .0788
 .410 .1281 .1048 .0476
 .590 .1389 .1341 .0764
 .770 -.0448
 .950 -.2142 -.1926 -.0905

BETA (6) = 1.980 ALPHA (4) = 6.200 Q(PSF) = 42.890 PO = 2116.5 RUN NO = 73.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2097 -.3602 .2719
 .200 .1907 .1391
 .410 .1800 .1664 .0958
 .590 .1919 .1919 .1295
 .770 .0056
 .950 -.1797 -.1544 -.0461

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR JOOR INNER SURFACE (RFP008)

BETA (7) = 5.010 ALPHA (1) = .030 Q(PSF) = 42.82) P0 = 2116.5 RUN NO = 74.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4341 -.6708 .1880
 .200 .0584 .0080
 .410 .0595 .0374 -.0424
 .590 .0788 .0704 .0080
 .770 -.1445
 .950 -.3079 -.2863 -.1650

BETA (7) = 5.020 ALPHA (2) = 2.060 Q(PSF) = 42.82) P0 = 2116.5 RUN NO = 74.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3571 -.5456 .2047
 .200 .1124 .0572
 .410 .1064 .0907 .0007
 .590 .1245 .1220 .0595
 .770 -.0932
 .950 -.2718 -.2478 -.1241

BETA (7) = 5.020 ALPHA (3) = 4.120 Q(PSF) = 42.82) P0 = 2116.5 RUN NO = 74.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2827 -.4215 .2344
 .200 .1661 .0828
 .410 .1600 .1436 .0526
 .590 .1697 .1745 .1106
 .770 -.0438
 .950 -.2345 -.2067 -.0448

DATE 27 APR 77

0A163B PRESSURE DATA LISTING

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(RFPE08)

NOSE GEAR DOOR INNER SURFACE

0A163B

RUN NO = 74.000

P0 = 2116.5

Q(PSF) = 42.8211

ALPHA (4) =

5.010

BETA (7) =

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2189 -.3083 .2633
.200 .2141 .0889
.410 .2058 .2022 .1058
.590 .2189 .2261 .1613
.770 .0032
.950 -.1911 -.1694 -.0438

DATE 27 APR 77 OAI1638 PRESSURE DATA LISTING

(RFPE09) (27 APR 77)

NOSE GEAR DOOR INNER SURFACE

OAI1638

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BOFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 36.000 THETMR = 5.600

BETA (1) = -5.030 ALPHA (1) = .000 Q(PSF) = 42.795 PO = 2113.0 RUN NO = 75.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4580 -.6838 -.5841
 .200 .0128 -.1577
 .410 -.0400 -.0479 -.0844
 .590 -.0604 -.0712 -.0928
 .770 -.1037
 .950 -.2850 -.2538 -.1817

BETA (1) = -5.030 ALPHA (2) = 2.080 Q(PSF) = 42.795 PO = 2113.0 RUN NO = 75.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0320 .3280 .5640

X/CNL
 .050 -.3772 -.5711 -.4844
 .200 .0537 -.0870
 .410 .0152 .0063 -.0256
 .590 -.0064 -.0195 -.0401
 .770 .0770 -.0582
 .950 -.2443 -.2135 -.1412

BETA (1) = -5.040 ALPHA (3) = 4.130 Q(PSF) = 42.795 PO = 2113.0 RUN NO = 75.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2992 -.4751 -.3871
 .200 .1007 .0597 -.0184
 .410 .0634 .0357 .0357
 .590 .0417 .0309 .0116
 .770 -.0148
 .950 -.2088 -.1751 -.0967

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPED9)

NOSE GEAR DOOR INNER SURFACE

OAI63B

RUN NO = 75.000

BETA (1) = -5.030 ALPHA (4) = 6.220 Q(PSF) = 42.795 PO = 2113.0

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.2230	-.3718
.200	.1604	-.2823
.410	.1169	.0467
.590	.0963	.1167
.770	.0310	.0987
.950	-.1709	.0854
	-.1334	.0685
	-.0536	

BETA (2) = -2.010 ALPHA (1) = .000 Q(PSF) = 42.330 PO = 2113.0 RUN NO = 76.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.4681	-.6694
.200	.0163	-.3915
.410	-.0123	-.1343
.590	-.0195	-.0447
.770	-.1200	-.0566
.950	-.2896	-.0650
	-.2659	-.1200
	-.1834	

BETA (2) = -2.010 ALPHA (2) = 2.080 Q(PSF) = 42.330 PO = 2113.0 RUN NO = 76.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.3863	-.5871
.200	.0633	-.2817
.410	.0380	-.0665
.590	.0368	.0123
.770	-.0797	.0007
.950	-.2553	-.0124
	-.2276	-.0124
	-.1445	

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE09)

BETA (2) = -2.010 ALPHA (3) = 4.140 Q(PSF) = 42.330 PO = 2113.0 RUN NO = 76.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3062 -.4808 -.1677
 .200 .1187 -.0028
 .410 .0947 .0667 .0561
 .590 .0910 .0730 .0405
 .770 -.0281
 .950 -.2123 -.1846 -.1003

BETA (2) = -2.010 ALPHA (4) = 6.200 Q(PSF) = 42.330 PO = 2113.0 RUN NO = 76.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2252 -.3707 -.0388
 .200 .1679 .0597
 .410 .1450 .1220 .1005
 .590 .1438 .1366 .0945
 .770 .0164
 .950 -.1759 -.1446 -.0509

BETA (3) = -1.020 ALPHA (1) = .000 Q(PSF) = 42.345 PO = 2112.9 RUN NO = 77.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4657 -.6972 -.3114
 .200 .0200 -.1269
 .410 -.0064 -.0411 -.0498
 .590 -.0052 -.0305 -.0618
 .770 -.1221
 .950 -.2945 -.2716 -.1945

0A163B NOSE GEAR DOOR INNER SURFACE (RFPE09)

BETA (3) = -1.020 ALPHA (2) = 2.060 Q(PSF) = 42.845 PO = 2112.9 RUN NO = 77.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3855 -.5673 -.2098
 .200 .0669 -.0593
 .410 .0489 .0163 .0092
 .590 .0561 .0332 .0007
 .770 -.0774
 .950 -.2592 -.2315 -.1448

BETA (3) = -1.020 ALPHA (3) = 4.140 Q(PSF) = 42.845 PO = 2112.9 RUN NO = 77.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2983 -.4605 -.0845
 .200 .1209 .0055
 .410 .1053 .0766 .0584
 .590 .1149 .0993 .0560
 .770 -.0292
 .950 -.2154 -.1878 -.0965

BETA (3) = -1.020 ALPHA (4) = 6.210 Q(PSF) = 42.845 PO = 2112.9 RUN NO = 77.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2218 -.3590 .0453
 .200 .1740 .0742
 .410 .1572 .1332 .1066
 .590 .1596 .1596 .1127
 .770 .0152
 .950 -.1773 -.1508 -.3509

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RFP09)

OA163B NOSE GEAP DOOR INNER SURFACE

BETA (4) = .000 ALPHA (1) = .000 Q(PSF) = 42.515 PO = 2112.9 RUN NO = 78.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4563 -.6927 -.2068
 .200 .0247 -.1132
 .410 .0007 -.0409 -.0472
 .590 .0079 -.0172 -.0532
 .770 -.1312
 .950 -.2956 -.2788 -.1936

BETA (4) = .000 ALPHA (2) = 2.090 Q(PSF) = 42.515 PO = 2112.9 RUN NO = 78.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3737 -.5761 -.0811
 .200 .0754 -.0485
 .410 .0598 .0194 .0032
 .590 .0646 .0441 .0032
 .770 -.0871
 .950 -.2557 -.2376 -.1449

BETA (4) = .000 ALPHA (3) = 4.140 Q(PSF) = 42.515 PO = 2112.9 RUN NO = 78.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2908 -.4673 .0464
 .200 .1268 .0259
 .410 .1112 .0805 .0524
 .590 .1184 .1040 .0572
 .770 -.0435
 .950 -.2200 -.1948 -.0988

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE09)

OAI63B NOSE GEAR DOOR INNER SURFACE

RUN NO = 78.000

PO = 2112.9

Q(PSF) = 42.515

BETA (4) = .000 ALPHA (4) = 6.210

DEPENDENT VARIABLE C²

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2142 -.3644 .1665
 .200 .1821 .1077
 .410 .1653 .1430 .0993
 .590 .1701 .1653 .1125
 .770 .0068
 .950 -.1806 -.1529 -.0496

BETA (5) = 1.000 ALPHA (1) = -.010 Q(PSF) = 42.732 PO = 2112.9 RUN NO = 79.000

DEPENDENT VARIABLE C²

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4539 -.6953 -.0976
 .200 .0259 -.1012
 .410 .0091 -.0298 -.0484
 .590 .0247 -.0004 -.0436
 .770 -.1372
 .950 -.2907 -.2793 -.1936

BETA (5) = 1.000 ALPHA (2) = 2.070 Q(PSF) = 42.732 PO = 2112.9 RUN NO = 79.000

DEPENDENT VARIABLE C²

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3709 -.5840 .0298
 .200 .0770 -.0234
 .410 .0673 .0306 .0007
 .590 .0794 .0525 .0116
 .770 -.0912
 .950 -.2534 -.2365 -.1444

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

OA163B NOSE GEAR DOOR INNER SURFACE (RFE09)

BETA (5) = 1.000 ALPHA (3) = 4.120 Q(PSF) = 42.732 P0 = 2112.9 RUN NO = 79.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE C³

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2897 -.4682 .1430
 .200 .1273 .0526 .0526
 .410 .1237 .0931 .0490
 .590 .1310 .1201 .0659
 .770 -.0462
 .950 -.2198 -.1957 -.0908

BETA (5) = 1.000 ALPHA (4) = 6.190 Q(PSF) = 42.732 P0 = 2112.9 RUN NO = 79.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE C³

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2134 -.3615 .2362
 .200 .1884 .1307
 .410 .1729 .1564 .0984
 .590 .1812 .1752 .1199
 .770 .0032
 .950 -.1821 -.1532 -.0509

BETA (6) = 1.990 ALPHA (1) = .000 Q(PSF) = 42.835 P0 = 2112.9 RUN NO = 80.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4514 -.7021 .0079
 .200 .0307 -.0759
 .410 .0199 -.0178 -.0459
 .590 .0391 .0199 -.0291
 .770 -.1371
 .950 -.2895 -.2775 -.1875

OAI63B NOSE GEAR DOOR INNER SURFACE (RFP09)

BETA (6) = 1.990 ALPHA (2) = 2.060 Q(PSF) = 42.855 P0 = 2112.9 RUN NO = 80.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3653 -.5809 .1260
 .200 .0790 .0044
 .410 .0766 .0436 .0007
 .590 .0911 .0766 .0224
 .770 -.0931
 .950 -.2533 -.2340 -.1377

BETA (6) = 1.990 ALPHA (3) = 4.120 Q(PSF) = 42.855 P0 = 2112.9 RUN NO = 80.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2847 -.4642 .2113
 .200 .1381 .0815
 .410 .1321 .1081 .0477
 .590 .1417 .1345 .0778
 .770 -.0449
 .950 -.2160 -.1967 -.0895

BETA (6) = 1.990 ALPHA (4) = 6.210 Q(PSF) = 42.855 P0 = 2112.9 RUN NO = 80.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2075 -.3628 .2709
 .200 .1908 .1404
 .410 .1813 .1675 .0947
 .590 .1896 .1895 .1308
 .770 .0056
 .950 -.1798 -.1533 -.0485

DATE 27 APR 71 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE09)

BETA (7) = 5.020 ALPHA (1) = .000 Q(PSF) = 42.877 PO = 2113.0 RUN NO = 81.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4347 -.6787 .1777
 .200 .0582 .0091
 .410 .0606 .0373 -.0422
 .590 .0785 .0713 .0067
 .770 -.1439
 .950 -.3066 -.2851 -.1631

BETA (7) = 5.020 ALPHA (2) = 2.060 Q(PSF) = 42.877 PO = 2113.0 RUN NO = 81.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3567 -.5446 .2099
 .200 .1139 .0597
 .410 .1127 .0909 .0044
 .590 .1248 .1211 .0609
 .770 -.0943
 .950 -.2713 -.2508 -.1220

BETA (7) = 5.020 ALPHA (3) = 4.130 Q(PSF) = 42.877 PO = 2113.0 RUN NO = 81.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2757 -.4146 .2334
 .200 .1626 .0817
 .410 .1578 .1468 .0551
 .590 .1710 .1722 .1107
 .770 -.0366
 .950 -.2311 -.2009 -.0801

DATE 27 APR 77

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(RFPE09)

0A1638 NOSE GEAR DOOR INNER SURFACE

RUN NO = 81.000

PO = 2113.0

Q(PSF) = 42.877

ALPHA (°) = 5.020

SECTION (1) NOSE LND OR DR-1

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL			
.050	-.2156	-.3034	.2598
.200	.2144		.0885
.410	.2073	.2003	.1053
.590	.2168	.2204	.1595
.770	.0044		
.950	-.2012	-.1663	-.0436

DATE 27 APR 77

0A163B PRESSURE DATA LISTING

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NOSE GEAR DOOR INNER SURFACE

0A163B

(RFPE10) (27 APR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 26.000 THETMR = 4.000

BETA (1) = -5.030 ALPHA (1) = .000 Q(PSF) = 42.882 P0 = 2112.3 RUN NO = 83.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4609 -.6858 -.5842
 .200 .0140 -.1567
 .410 -.0352 -.0470 -.0845
 .590 -.0581 -.0737 -.0942
 .770 -.1050
 .950 -.2842 -.2517 -.1856

BETA (1) = -5.040 ALPHA (2) = 2.080 Q(PSF) = 42.882 P0 = 2112.3 RUN NO = 83.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3760 -.5698 -.4867
 .200 .0549 -.0894
 .410 .0152 .0063 -.0280
 .590 -.0076 -.0220 -.0401
 .770 -.0594
 .950 -.2460 -.2134 -.1412

BETA (1) = -5.040 ALPHA (3) = 4.160 Q(PSF) = 42.882 P0 = 2112.3 RUN NO = 83.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3027 -.4761 -.3894
 .200 .0995 -.0220
 .410 .0646 .0597 .0391
 .590 .0429 .0297 .0128
 .770 -.0172
 .950 -.2087 -.1785 -.0979

BETA (1) = -5.040 ALPHA (4) = 6.210 Q(PSF) = 42.382 PO = 2112.3 RUN NO = 83.000 (RFPE10)

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2246 -.3708 -.2845
 .200 .1518 .0463
 .410 .1170 .1146 .0943
 .590 .0943 .0823 .0655
 .770 .0283
 .950 -.1670 -.1346 -.0519

BETA (2) = -2.020 ALPHA (1) = .000 Q(PSF) = 42.335 PO = 2112.3 RUN NO = 84.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4656 -.6863 -.3997
 .200 .0151 -.1347
 .410 -.0135 -.0408 -.0555
 .590 -.0159 -.0447 -.0651
 .770 -.1227
 .950 -.2858 -.2654 -.1862

BETA (2) = -2.020 ALPHA (2) = 2.070 Q(PSF) = 42.335 PO = 2112.3 RUN NO = 84.000

SECTION (1) NOSE LND GR DR-1

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3873 -.5850 -.2343
 .200 .0630 -.0698
 .410 .0367 .0092 .0031
 .590 .0319 .0115 -.0147
 .770 -.0794
 .950 -.2555 -.2268 -.1429

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DATE 27 APR 77      OAI63B PRESSURE DATA LISTING      (RFPE10)

                                NOSE GEAR DOOR INNER SURFACE
                                OAI63B                                RUN NO = 84.000

BETA ( 2 ) = -2.010  ALPHA ( 3 ) = 4.120  Q(PSF) = 42.335  PO = 2112.3

                                DEPENDENT VARIABLE CP

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SECTION () NOSE LND GR DR-1

Y/BNL	.0920	.3280	.5640
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X/CNL	-.050	-.3053	-.4741	-.1691
	.200	.1177		-.0016
	.410	.0911	.0617	.0538
	.590	.0863	.0682	.0417
	.770		-.0305	
	.950	-.2161	-.1848	-.0980

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      -2.161  -.1848  -.0580
      .770
      .950
      BETA ( 2) = -2.010  ALPHA ( 4) = 6.200  Q(PSF) = 42.335  P0 = 2112.3  RUN NO = 84.000
      DEPENDENT VARIABLE CP
      FACTOR AND CO OR-T

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SECTION () NOSE LND GR DR-I

Y/BNL	.0920	.3280	.5640
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X/CNL	-.050	-.2250	-.3704	-.0292
	.0508	.1713		.0508
	.200	.1449	.1209	.1029
	.410	.1425	.1229	.0544
	.590		.0164	
	.770	-.1782	-.1457	-.0508
	.950			

```

      .950    -.1782   -.1457   -.0508
      .000    Q(P5F) = 42.877
      BETA ( 3 ) = -.990    ALPHA ( 1 ) =
      DEPENDENT VARIABLE (P
      P0 = 2112.3    RUN NO = 85.000

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SECTION () NOSE LND GR DR-I

Y/BNL	.0920	.3280	.5540
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X/CNL	-	4593	-	6924	-	3248
050	-	0212	-	0389	-	1285
200	-	0040	-	0316	-	0460
410	-	0016	-	1239	-	0604
590	-	2947	-	2743	-	1926
770						
950						

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPF10)

BETA (3) = -.990 ALPHA (2) = 2.070 Q(PSF) = 42.077 P0 = 2112.3 RUN NO = 85.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3829 -.5837 -.1880
.200 .0705 -.0617
.410 .0477 .0143 .0044
.590 .0489 .0260 -.0088
.770 -.0846
.950 -.2614 -.2349 -.1471

BETA (3) = -.990 ALPHA (3) = 4.130 Q(PSF) = 42.077 P0 = 2112.3 RUN NO = 85.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.2977 -.4662 -.0642
.200 .1211 .0068
.410 .1019 .0727 .0525
.590 .1043 .0850 .0465
.770 -.0365
.950 -.2218 -.1918 -.1051

BETA (3) = -1.000 ALPHA (4) = 6.220 Q(PSF) = 42.077 P0 = 2112.3 RUN NO = 85.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P)

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.2204 -.3672 .0705
.200 .1727 .0801
.410 .1523 .1301 .1006
.590 .1559 .1499 .1018
.770 .0104
.950 -.1808 -.1543 -.0569

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

(RPPE10)

OA163B NOSE GEAF DOOR INNER SURFACE

BETA (4) = -.010 ALPHA (1) = .000 Q(PSF) = 42.492 PO = 2112.3 RUN NO = 86.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE (P

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4548 -.6953 -.2024
 .200 .0236 -.1146
 .410 .0019 -.0379 -.0485
 .590 .0080 -.0184 -.0533
 .770 -.1350
 .950 -.3009 -.2793 -.1939

BETA (4) = -.010 ALPHA (2) = 2.060 Q(PSF) = 42.492 PO = 2112.3 RUN NO = 86.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3745 -.5826 -.0749
 .200 .0729 -.0461
 .410 .0549 .0193 -.0004
 .590 .0621 .0404 -.0028
 .770 -.0882
 .950 -.2626 -.2362 -.1495

BETA (4) = -.010 ALPHA (3) = 4.120 Q(PSF) = 42.492 PO = 2112.3 RUN NO = 86.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2957 -.4697 .0464
 .200 .1232 .0260
 .410 .1100 .0806 .0488
 .590 .1172 .1016 .0560
 .770 -.0424
 .950 -.2224 -.1972 -.0988

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE10)

NOSE GEAR DOOR INNER SURFACE

RUN NO = 86.000

PO = 2112.3

Q(PSF) = 42.892

ALPHA (4) =

BETA (4) = -.010

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2182 -.3674 .1680
 .200 .1800 .1042
 .410 .1656 .1422 .0982
 .590 .1704 .1644 .1114
 .770 .0056
 .950 -.1833 -.1544 -.0509

RUN NO = 87.000

PO = 2112.3

Q(PSF) = 42.887

ALPHA (1) =

BETA (5) = .990

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4537 -.6943 -.0978
 .200 .0260 -.1002
 .410 .0080 -.0309 -.0485
 .590 .0224 -.0004 -.0424
 .770 -.1353
 .950 -.2950 -.2794 -.1904

RUN NO = 87.000

PO = 2112.3

Q(PSF) = 42.887

ALPHA (2) =

BETA (5) = .990

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3719 -.5763 .0248
 .200 .0741 -.0232
 .410 .0645 .0294 .0019
 .590 .0765 .0609 .0104
 .770 -.0929
 .950 -.2577 -.2372 -.1434

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE10)

BETA (5) = .990 ALPHA (3) = 4.120 Q(PSF) = 42.887 PO = 2112.3 RUN NO = 87.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2895 -.4666 .1429
 .200 .1284 .0540 .0540
 .410 .1224 .0940 .0477
 .590 .1296 .1188 .0658
 .770 -.0461
 .950 -.2208 -.1967 -.0931

BETA (5) = .990 ALPHA (4) = 6.190 Q(PSF) = 42.887 PO = 2112.3 RUN NO = 87.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2139 -.3615 .2366
 .200 .1830 .1315
 .410 .1723 .1548 .0955
 .590 .1794 .1771 .1219
 .770 .0055
 .950 -.1815 -.1539 -.0471

BETA (6) = 1.990 ALPHA (1) = .000 Q(PSF) = 42.840 PO = 2112.3 RUN NO = 88.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4539 -.7035 .0175
 .200 .0283 -.0771
 .410 .0175 -.0158 -.0484
 .590 .0379 .0151 -.0352
 .770 -.1383
 .950 -.2919 -.2799 -.1851

OA163B NOSE GEAR DOOR INNER SURFACE (RPPE10)

BETA (6) = 1.990 ALPHA (2) = 2.070 Q(PSF) = 42.840 PO = 2112.3 RUN NO = 88.000

SECTION (1) NOSE LND GR DR-I

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3720	-.5820	.1226
.200	.0780		.0058
.410	.0756	.0436	-.0004
.590	.0888	.0756	.0201
.770		-.0945	
.950	-.2574	-.2393	-.1367

BETA (6) = 1.990 ALPHA (3) = 4.120 Q(PSF) = 42.840 PO = 2112.3 RUN NO = 88.000

SECTION (1) NOSE LND GR DR-I

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2823	-.4631	.2101
.200	.1381		.0767
.410	.1309	.1071	.0489
.590	.1429	.1333	.0779
.770		-.0437	
.950	-.2233	-.1944	-.0883

BETA (6) = 1.990 ALPHA (4) = 6.220 Q(PSF) = 42.840 PO = 2112.3 RUN NO = 88.000

SECTION (1) NOSE LND GR DR-I

DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2073	-.3649	.2743
.200	.1895		.1355
.410	.1788	.1684	.0946
.590	.1907	.1883	.1319
.770		.0088	
.950	-.1833	-.1532	-.0473

DATE 27 APR 77

OA1639 PRESSURE DATA LISTING

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BETA (7) = 5.020 ALPHA (1) = .000 Q(PSF) = 42.755 PO = 2112.3 RUN NO = 89.000
 (RFPE10)

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4385 -.6769 .1776
 .200 .0585 .0080
 .410 .0609 .0375 -.0449
 .590 .0790 .0706 .0056
 .770 -.1424
 .950 -.3073 -.2857 -.1653

BETA (7) = 5.020 ALPHA (2) = 2.060 Q(PSF) = 42.755 PO = 2112.3 RUN NO = 89.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3659 -.5481 .2116
 .200 .1166 .0550
 .410 .1117 .0891 .0007
 .590 .1238 .1190 .0611
 .770 -.1005
 .950 -.2778 -.2561 -.1222

BETA (7) = 5.020 ALPHA (3) = 4.120 Q(PSF) = 42.755 PO = 2112.3 RUN NO = 89.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE: CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2909 -.4054 .2377
 .200 .1683 .0827
 .410 .1647 .1475 .0526
 .590 .1731 .1683 .1104
 .770 -.0522
 .950 -.2354 -.2197 -.0763

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE10)

NOSE GLAR DOOR INNER SURFACE

RUN NO = 89.000

PO = 2112.3

Q(PSF) = 42.755

ALPHA (4) = 6.200

BETA (7) = 5.020

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y, SNL .0920 .3280 .5640

X/CNL

.050	-.2240	-.3026	.2635
.200	.2132		.0914
.410	.2096	.2044	.1059
.590	.2204	.2228	.1615
.770	-.0004		
.950	-.1974	-.1708	-.0463

(RFPE11) (27 APR 77)

DATE 27 APR 77 OA163B PRESSURE DATA LISTING

NOSE GEAR DOOR INNER SURFACE

OA163B

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0405

PARAMETRIC DATA

SPDBRK = 25.000 BDFLAP = .000
 ELV-L = .000 ELV-R = .000
 PHI-N = 66.000 THETAN = 108.000
 PHI-ML = 88.000 THETML = 98.000
 PHI-MR = 32.200 THETMR = 5.000

RUN NO = 90.000

PO = 2113.1

Q(PSF) = 42.830

DEPENDENT VARIABLE CP

BETA (1) = -5.030 ALPHA (1) = .000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4540 -.6796 -.5860
 .200 .0163 -.1528
 .410 -.0352 -.0459 -.0808
 .590 -.0580 -.0724 -.0868
 .770 -.1012
 .950 -.2824 -.2512 -.1792

BETA (1) = -5.030 ALPHA (2) = 2.050 Q(PSF) = 42.830

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3774 -.5678 -.4858
 .200 .0550 -.0859
 .410 .0164 .0073 -.0208
 .590 -.0064 -.0184 -.0389
 .770 -.0558
 .950 -.2449 -.2124 -.1389

BETA (1) = -5.030 ALPHA (3) = 4.130 Q(PSF) = 42.830

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2959 -.4744 -.3851
 .200 .1009 -.0160
 .410 .0659 .0608 .0393
 .590 .0430 .0345 .0152
 .770 -.0136
 .950 -.2078 -.1728 -.0981

RUN NO = 90.000

PO = 2113.1

RUN NO = 90.000

PO = 2113.1

DATE 27 APR 77

OAI63B PRESSURE DATA LISTING

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OAI63B NOSE GEAR DOOR INNER SURFACE (RFPE11)

BETA () = -5.030 ALPHA () = 6.190 Q(PSF) = 42.830 PO = 2113.1 RUN NO = 90.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2221 -.3691 -.2787
 .200 .1586 .0465
 .410 .1213 .1172 .0984
 .590 .0996 .0899 .0694
 .770 .0321
 .950 -.1691 -.1353 -.0522

BETA (2) = -2.010 ALPHA (1) = .000 Q(PSF) = 42.847 PO = 2113.0 RUN NO = 91.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4647 -.6854 -.4011
 .200 .0175 -.1299
 .410 -.0124 -.0409 -.0519
 .590 -.0148 -.0412 -.0639
 .770 -.1191
 .950 -.2907 -.2643 -.1839

BETA (2) = -2.010 ALPHA (2) = 2.060 Q(PSF) = 42.847 PO = 2113.0 RUN NO = 91.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3875 -.5804 -.2825
 .200 .0647 -.0691
 .410 .0393 .013 .0044
 .590 .0357 .0140 -.0112
 .770 -.0775
 .950 -.2548 -.2271 -.1427

DEPENDENT VARIABLE CP

DATE 27 APR 77 OA1638 PRESSURE DATA LISTING

OA1638 NOSE GEAR DOOR INNER SURFACE (RPPE11)
 BETA (2) = -2.010 ALPHA (3) = 4.100 Q(PSF) = 42.847 PO = 2113.0 RUN NO = 91.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3038 -.4724 -.1617
 .200 .1188 -.0040
 .410 .0923 .0667 .0573
 .590 .0911 .0730 .0417
 .770 -.0293
 .950 -.2159 -.1846 -.0991

BETA (2) = -2.000 ALPHA (4) = 6.170 Q(PSF) = 42.847 PO = 2113.0 RUN NO = 91.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2279 -.3712 -.0329
 .200 .1729 .0622
 .410 .1440 .1242 .1067
 .590 .1476 .1344 .0995
 .770 .0164
 .950 -.1774 -.1448 -.0497

BETA (3) = -1.000 ALPHA (1) = -.020 Q(PSF) = 42.940 PO = 2113.0 RUN NO = 92.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4581 -.6870 -.3127
 .200 .0198 -.1208
 .410 -.0051 -.0426 -.0457
 .590 -.0039 -.0302 -.0564
 .770 -.1219
 .950 -.2936 -.2733 -.1851

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFP211)

OAI63B NOSE GEAR DOOR INNER SURFACE

RUN NO = 92.000

PO = 2113.0

Q(PSF) = 42.940

BETA (3) = -1.010 ALPHA (2) = 2.330

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3795 -.5756 -.1701
 .200 -.0705 -.0557
 .410 .0489 .0133 .0068
 .590 .0489 .0284 -.0088
 .770 -.0810
 .950 -.2579 -.2314 -.1472

BETA (3) = -1.010 ALPHA (3) = 4.110 Q(PSF) = 42.940 PO = 2113.0 RUN NO = 92.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2976 -.4625 -.0545
 .200 .1223 .0116
 .410 .1030 .0737 .0537
 .590 .1054 .0874 .0489
 .770 -.0341
 .950 -.2206 -.1905 -.0978

BETA (3) = -1.010 ALPHA (4) = 6.170 Q(PSF) = 42.940 PO = 2113.0 RUN NO = 92.000

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2208 -.3618 .0742
 .200 .1730 .0803
 .410 .1549 .1313 .1031
 .590 .1574 .1513 .1080
 .770 .0128
 .950 -.1787 -.1485 -.0522

DEPENDENT VARIABLE CP

DATE 27 APR 77 QAI63B PRESSURE DATA LISTING (RFPE11)

QAI63B NOSE GEAR DOOR INNER SURFACE RUN NO = 93.000

BETA (4) = .010 ALPHA (1) = -.030 Q(PSF) = 42.855 PO = 2113.0

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4544 -.6935 -.1998
 .200 .0260 -.1121
 .410 -.0004 -.0369 -.0448
 .590 .0104 -.0164 -.0520
 .770 -.1313
 .950 -.2959 -.2791 -.1926

BETA (4) = .010 ALPHA (2) = 2.030 Q(PSF) = 42.855 PO = 2113.0 RUN NO = 93.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3723 -.5745 -.0714
 .200 .0730 -.0473
 .410 .0561 .0204 .0032
 .590 .0645 .0441 .0019
 .770 -.0882
 .950 -.2603 -.2337 -.1460

BETA (4) = .010 ALPHA (3) = 4.100 Q(PSF) = 42.855 PO = 2113.0 RUN NO = 93.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.2951 -.4671 .0525
 .200 .1271 .0260
 .410 .1126 .0818 .0525
 .590 .1174 .1054 .0585
 .770 -.0425
 .950 -.2229 -.1977 -.1014

(RFPE11)

OAI63B NOSE 3EAR DOOR INNER SURFACE

BETA (4) = .010 ALPHA (4) = 6.170 Q(PSF) = +2.855 PO = 2113.0 RUN NO = 93.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2161 -.3607 .1743
.200 .1814 .1080
.410 .1683 .1475 .1008
.590 .1743 .1671 .1164
.770 .0104
.950 -.1787 -.1546 -.0534

BETA (5) = 1.010 ALPHA (1) = -.030 Q(PSF) = +2.927 PO = 2113.1 RUN NO = 94.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.4516 -.6886 -.0889
.200 .0271 -.0997
.410 .0103 -.0287 -.0446
.590 .0235 .0007 -.0399
.770 -.1344
.950 -.2924 -.2804 -.1883

BETA (5) = 1.010 ALPHA (2) = 2.060 Q(PSF) = +2.927 PO = 2113.1 RUN NO = 94.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3669 -.5760 .0344
.200 .0765 -.0268
.410 .0668 .0314 .0031
.590 .0777 .0620 .0152
.770 -.0893
.950 -.2575 -.2395 -.1410

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0A1638 PRESSURE DATA LISTING

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0A1638 NOSE BEAR DOOR INNER SURFACE (RFPE11)

BETA (5) = 1.010 ALPHA (3) = 4.100 Q(PSF) = 12.927 PO = 2113.1 RUN NO = 94.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2888	-.4690	.1474
.200	.1293		.0584
.410	.1233	.0927	.0512
.590	.1317	.1233	.0692
.770		-.0424	
.950	-.2203	-.1950	-.0905

BETA (5) = 1.010 ALPHA (4) = 6.190 Q(PSF) = 12.927 PO = 2113.1 RUN NO = 94.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2123	-.3641	.2459
.200	.1849		.1296
.410	.1765	.1593	.0983
.590	.1825	.1777	.1272
.770		.0032	
.950	-.1834	-.1557	-.0497

BETA (6) = 1.990 ALPHA (1) = .000 Q(PSF) = 12.897 PO = 2113.0 RUN NO = 95.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3260 .5640

X/CNL

.050	-.4496	-.7005	.0175
.200	.0306		-.0768
.410	.0234	-.0147	-.0446
.590	.0402	.0199	-.0278
.770		-.1354	
.950	-.2895	-.2751	-.1843

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

(RFPE11)

OAI63B NOSE REAR DOOR INNER SURFACE

BETA (6) = 1.990 ALPHA (2) = 2.030 Q(PSF) = 12.897 PO = 2113.0 RUN NO = 95.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.3663	-.5781
.200	-.0802	.0019
.410	.0754	.0445
.590	.0922	.0766
.770	-.0918	-.0224
.950	-.2519	-.2339
		-.1376

BETA (6) = 2.000 ALPHA (3) = 4.110 Q(PSF) = 12.897 PO = 2113.0 RUN NO = 95.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.2812	-.4620
.200	.1345	.0755
.410	.1345	.1092
.590	.1430	.1345
.770	-.0437	.0803
.950	-.2173	-.1932
		-.0871

BETA (6) = 2.000 ALPHA (4) = 6.180 Q(PSF) = 12.897 PO = 2113.0 RUN NO = 95.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL	Y/BNL	CP
.050	-.2052	-.3606
.200	.1897	.1393
.410	.1838	.1666
.590	.1897	.1897
.770	.0104	.1333
.950	-.1799	-.1534
		-.0449

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

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OA163B NOSE HEAR DOOR INNER SURFACE (RFE11)

BETA (7) = 5.040 ALPHA (1) = -.020 Q(PSF) = 12.875 PO = 2113.1 RUN NO = 96.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.4368	-.6760	.1848
.200	.0593	.0057	
.410	.0505	.0322	-.0422
.590	.0785	.0725	.0091
.770		-.1450	
.950	-.3101	-.2850	-.1630

BETA (7) = 5.030 ALPHA (2) = 2.050 Q(PSF) = 12.875 PO = 2113.1 RUN NO = 96.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3539	-.5439	.2109
.200	.1182	.0928	.0509
.410	.1114	.0228	.0056
.590	.1258	.1234	.0609
.770		-.0942	
.950	-.2709	-.2439	-.1194

BETA (7) = 5.030 ALPHA (3) = 4.100 Q(PSF) = 12.875 PO = 2113.1 RUN NO = 96.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2864	-.4132	.2320
.200	.1649	.0864	
.410	.1601	.1457	.0539
.590	.1721	.1733	.1106
.770		-.0425	
.950	-.2345	-.2092	-.0824

(RPPE11)

NOSE GEAR DOOR INNER SURFACE

OA1638

BETA (7) = 5.030 ALPHA (4) = 6.190 Q(PSF) = 42.875 PO = 2113.1 RUN NO = 96.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2137	-.3041	.2664
.200	.2150		.0996
.410	.2090	.2029	.1080
.590	.2186	.2232	.1611
.770		.0056	
.950	-.1920	-.1667	-.0413

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OAI63B PRESSURE DATA LISTING

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(RFPL12) (27 APR 77)

OAI63B NOSE GEAR DOOR INNER SURFACE

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0405

PARAMETRIC DATA

SPOBRK = 25.000 BDFLAP = .000
 ELV-L = 5.000 ELV-R = 5.000
 PHI-N = 30.800 THETAN = 5.000
 PHI-ML = 32.200 THETML = 5.000
 PHI-MR = 32.200 THETMR = 5.000

ALPHA (1) = 4.180 BETA (1) = -5.050 Q(PSF) = 42.851 P0 = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3515 -.5908 -.3695
 .200 -.0280 -.0990
 .410 -.0773 -.0661 -.0689
 .590 -.0845 -.0761 -.0821
 .770 -.0930
 .950 -.1158 -.0978 -.1038

ALPHA (1) = 4.170 BETA (2) = -4.020 Q(PSF) = 42.851 P0 = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3552 -.5905 -.3890
 .200 -.0148 -.0933
 .410 -.0812 -.0744 -.0728
 .590 -.0885 -.0812 -.0648
 .770 -.0897
 .950 -.1102 -.0909 -.0909

ALPHA (1) = 4.180 BETA (3) = -2.970 Q(PSF) = 42.851 P0 = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-I DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.3518 -.5737 -.4141
 .200 -.0112 -.0927
 .410 -.0795 -.0800 -.0771
 .590 -.0891 -.0843 -.0855
 .770 -.0951
 .950 -.0987 -.0795 -.0771

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING

OAI63B NOSE GEAR DOOR INNER SURFACE (RFFE12)

ALPHA (1) = 4.170 BETA (4) = -2.040 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3473 -.5533 -.4485
.200 -.0172 -.0907
.410 -.0775 -.0874 -.0835
.590 -.0871 -.0847 -.0871
.770 -.0979
.950 -.0895 -.0714 -.0702

ALPHA (1) = 4.180 BETA (5) = -1.040 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3504 -.5380 -.4575
.200 -.0268 -.0870
.410 -.0713 -.0792 -.0858
.590 -.0834 -.0858 -.0858
.770 -.1038
.950 -.0882 -.0641 -.0641

ALPHA (1) = 4.170 BETA (6) = -.020 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3520 -.5302 -.4471
.200 -.0305 -.0834
.410 -.0702 -.0813 -.0895
.590 -.0786 -.0786 -.0846
.770 -.1051
.950 -.0855 -.0557 -.0570

DATE 27 APR 77 OAI63B PRESSURE DATA LISTING (RFPE12)
 OAI63B NOSE GEAR DOOR INNER SURFACE RUN NO = 50.000

ALPHA (1) = 4.170 BETA (7) = .970 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3568 -.5291 -.4412
 .200 -.0184 -.0798
 .410 -.0690 -.0793 -.0871
 .590 -.0690 -.0726 -.0750
 .770 -.1112
 .950 -.0847 -.0509 -.0485

ALPHA (1) = 4.170 BETA (8) = 1.970 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3731 -.5342 -.4380
 .200 -.0124 -.0785
 .410 -.0617 -.0742 -.0809
 .590 -.0665 -.0665 -.0737
 .770 -.1242
 .950 -.0881 -.0485 -.0472

ALPHA (1) = 4.170 BETA (9) = 2.990 Q(PSF) = 42.851 PO = 2115.1 RUN NO = 50.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.3886 -.5277 -.4402
 .200 -.0063 -.0783
 .410 -.0543 -.0689 -.0759
 .590 -.0591 -.0591 -.0675
 .770 -.1334
 .950 -.0914 -.0483 -.0447

DATE 27 APR 77

0A1638 PRESSURE DATA LISTING

(RFPE12)

0A1638 NOSE GEAR DOOR INNER SURFACE

RUN NO = 50.000

ALPHA (1) = 4.170 BETA (10) = 4.050 Q(PSF) = 42.851 P0 = 2115.1

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4223 -.5236 -.4428
 .200 -.0088 -.0775
 .410 -.0522 -.0653 -.0715
 .590 -.0558 -.0522 -.0606
 .770 -.1462
 .950 -.0932 -.0510 -.0405

ALPHA (1) = 4.170 BETA (11) = 5.000 Q(PSF) = 42.851 P0 = 2115.1 RUN NO = 50.000

DEPENDENT VARIABLE CP

SECTION (1) NOSE LND GR DR-1

Y/BNL .0920 .3280 .5640

X/CNL
 .050 -.4551 -.5142 -.4443
 .200 -.0112 -.0764
 .410 -.0462 -.0593 -.0567
 .590 -.0558 -.0498 -.0522
 .770 -.1584
 .950 -.0993 -.0498 -.0269

DATE 27 APR 77

OA163B PRESSURE DATA LISTING

NOSE GEAR DOOR INNER SURFACE

OA163B

(RFPE13) (27 APR 77)

PARAMETRIC DATA

SPDRBK = 25.000 BOFLAP = .000
ELV-L = .000 ELV-R = .000
PHI-N = 66.000 THETAN = 108.000
PHI-ML = 32.200 THETML = 5.000
PHI-MR = 36.000 THETMR = 5.600

REFERENCE DATA

SREF = 2690.000 SQ.FT. XMRP = 1076.7000 IN. X0
LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
SCALE = .0405

ALPHA (1) = 4.120 BETA (1) = -5.030 Q(PSF) = 42.904 F0 = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.2963 -.4743 -.3889
.200 .1006 -.0208
.410 .0657 .0616 .0368
.590 .0465 .0272 .0128
.770 -.0148 -.0978
.950 -.2073 -.1748 -.0978

ALPHA (1) = 4.120 BETA (2) = -4.040 Q(PSF) = 42.904 F0 = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3079 -.4785 -.3355
.200 .1040 -.0184
.410 .0692 .0635 .0452
.590 .0644 .0440 .0284
.770 -.0172 -.0905
.950 -.2094 -.1757 -.0905

ALPHA (1) = 4.120 BETA (3) = -2.950 Q(PSF) = 42.904 F0 = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL
.050 -.3081 -.4835 -.2660
.200 .1113 -.0124
.410 .0813 .0636 .0512
.590 .0765 .0572 .0368
.770 -.0244 -.0953
.950 -.2131 -.1794 -.0953

0A1638 NOSE GEAR DOOR INNER SURFACE (RPPE13)

ALPHA (1) = 4.120 BETA (4) = -2.010 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3018	-.4771	-.1553
.200	.1155	-.0100	
.410	.0884	.0635	.0560
.590	.0884	.0680	.0404
.770		-.0328	
.950	-.2177	-.1865	-.1000

ALPHA (1) = 4.120 BETA (5) = -1.020 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.3002	-.4676	-.0618
.200	.1248		.0068
.410	.1031	.0718	.0525
.590	.1043	.0886	.0453
.770		-.0377	
.950	-.2207	-.1930	-.1003

ALPHA (1) = 4.120 BETA (6) = .000 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050	-.2912	-.4684	.0522
.200	.1240		.0235
.410	.1097	.0854	.0486
.590	.1204	.1073	.0558
.770		-.0446	
.950	-.2206	-.1955	-.0985

DATE 27 APR 77 OAI638 PRESSURE DATA LISTING (RPPE13)

OAI638 NOSE GEAR DOOF INNER SURFACE RUN NO = 82.000

ALPHA (1) = 4.120 BETA (7) = 1.020 Q(PSF) = 42.904 PO = 2112.9

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL	-.2906	-.4689	.1525
.050	.1260	.0525	
.200	.1224	.0940	.0489
.410	.1308	.1200	.0658
.590	.770	-.0461	
.950	-.2196	-.1979	-.0955

ALPHA (1) = 4.120 BETA (8) = 2.000 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL	-.2823	-.4630	.2125
.050	.1369	.0779	
.200	.1297	.1071	.0477
.410	.1405	.1333	.0779
.590	.770	-.0486	
.950	-.2184	-.1955	-.0907

ALPHA (1) = 4.120 BETA (9) = 2.990 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL	.0920	.3280	.5640
X/CNL	-.2837	-.4589	.2391
.050	.1424	.0908	
.200	.1400	.1198	.0454
.410	.1520	.1484	.0908
.590	.770	-.0412	
.950	-.2188	-.1936	-.0856

(RFPE13)

NOSE GEAR DOOR INNER SURFACE

ALPHA (1) = 4.120 BETA (10) = 4.070 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2805 -.4501 .2431
 .200 .1511 .0969
 .410 .1487 .1321 .0452
 .590 .1619 .1631 .1018
 .770 -.0436
 .950 -.2252 -.2012 -.0785

ALPHA (1) = 4.120 BETA (11) = 5.030 Q(PSF) = 42.904 PO = 2112.9 RUN NO = 82.000

SECTION (1) NOSE LND GR DR-1 DEPENDENT VARIABLE CP

Y/BNL .0920 .3280 .5640

X/CNL

.050 -.2873 -.4158 .2320
 .200 .1616 .1672 .0872
 .410 .1592 .1439 .0512
 .590 .1688 .1700 .1064
 .770 -.0424
 .950 -.2357 -.2093 -.0820